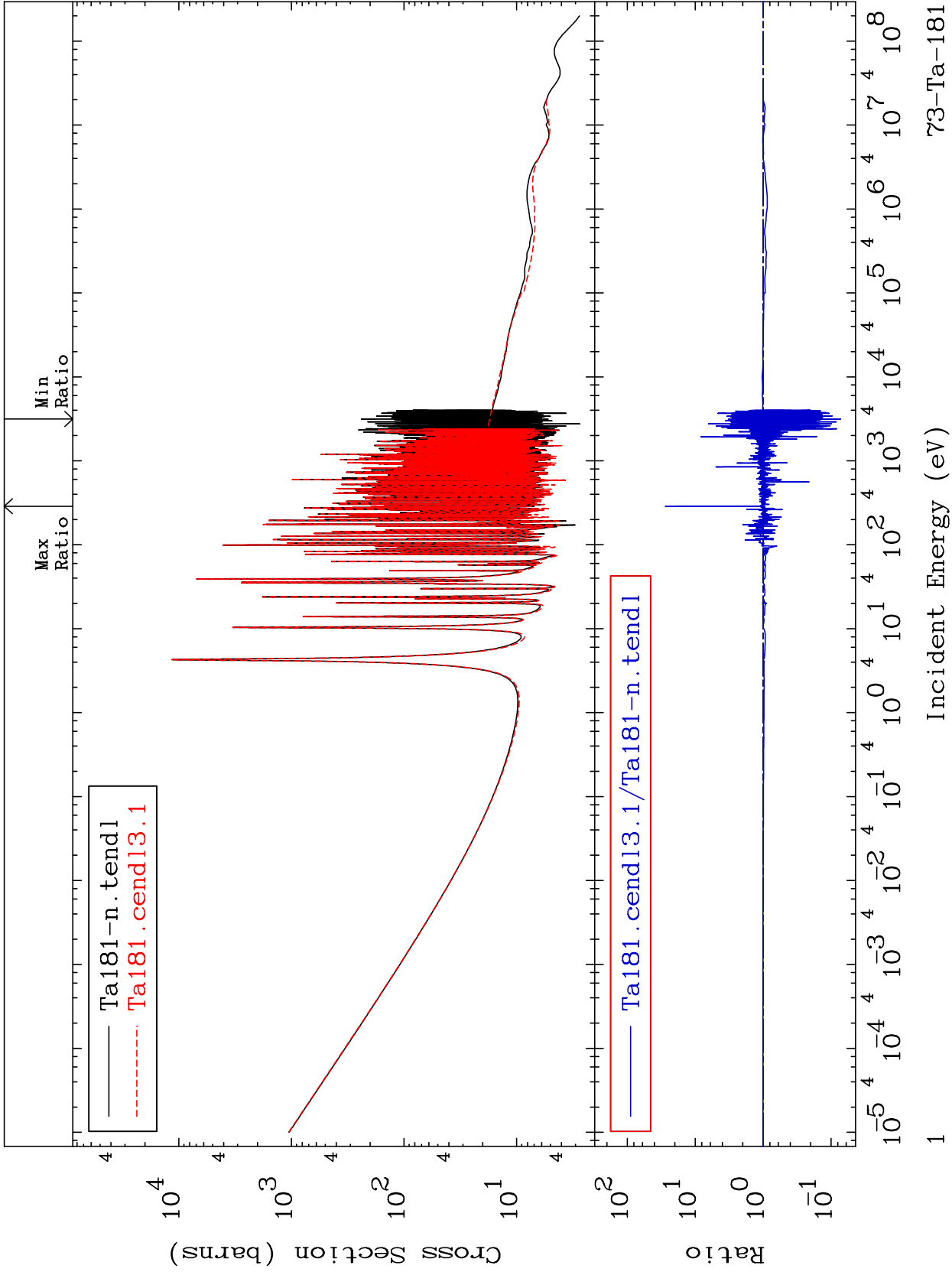


MAT 7328

Total Cross Section  
73-Ta-181  
-92.76 To 2643. %

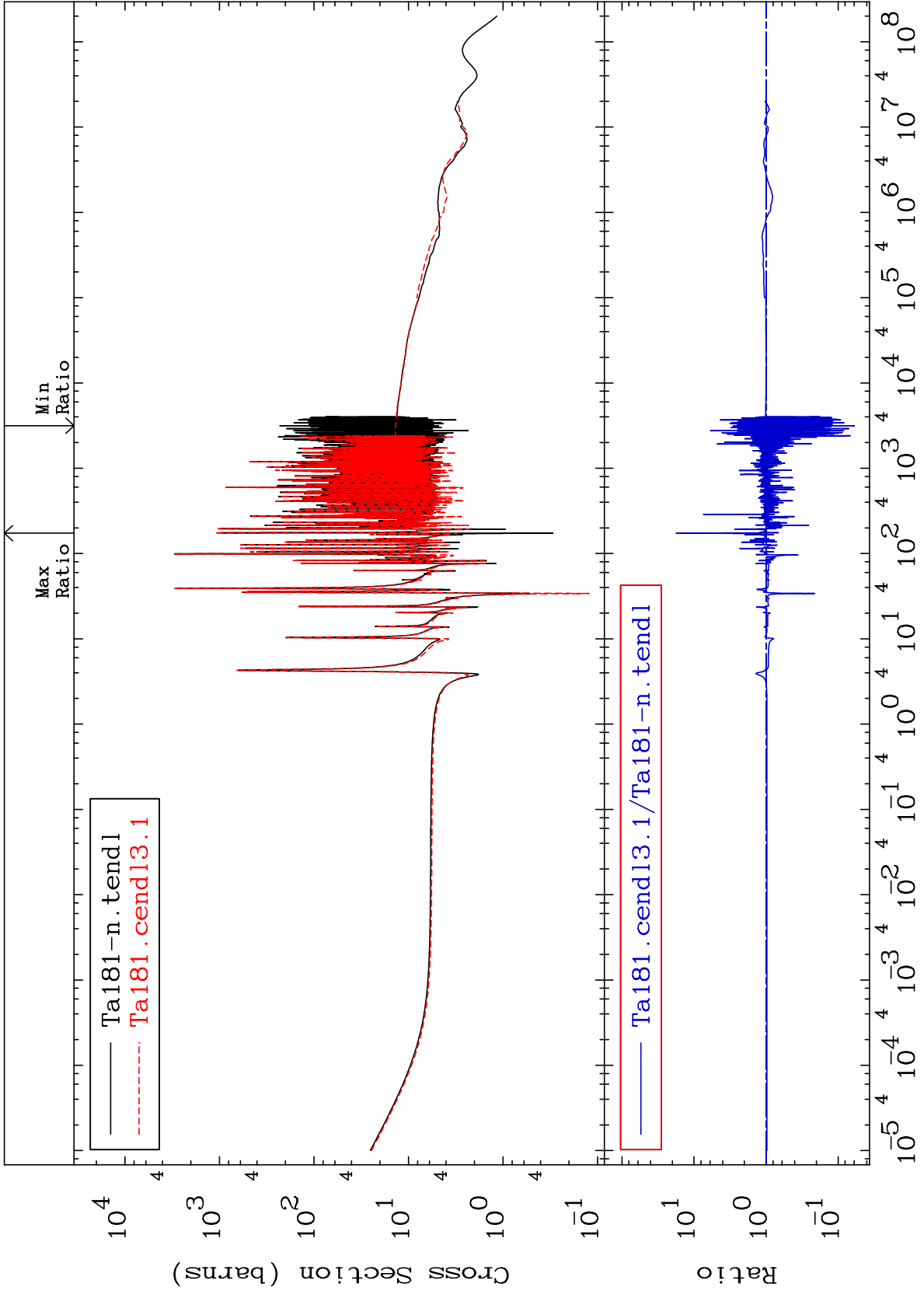


73-Ta-181

Incident Energy (eV)

MAT 7328

Elastic Cross Section  
73-Ta-181  
-94.05 To 1658. %



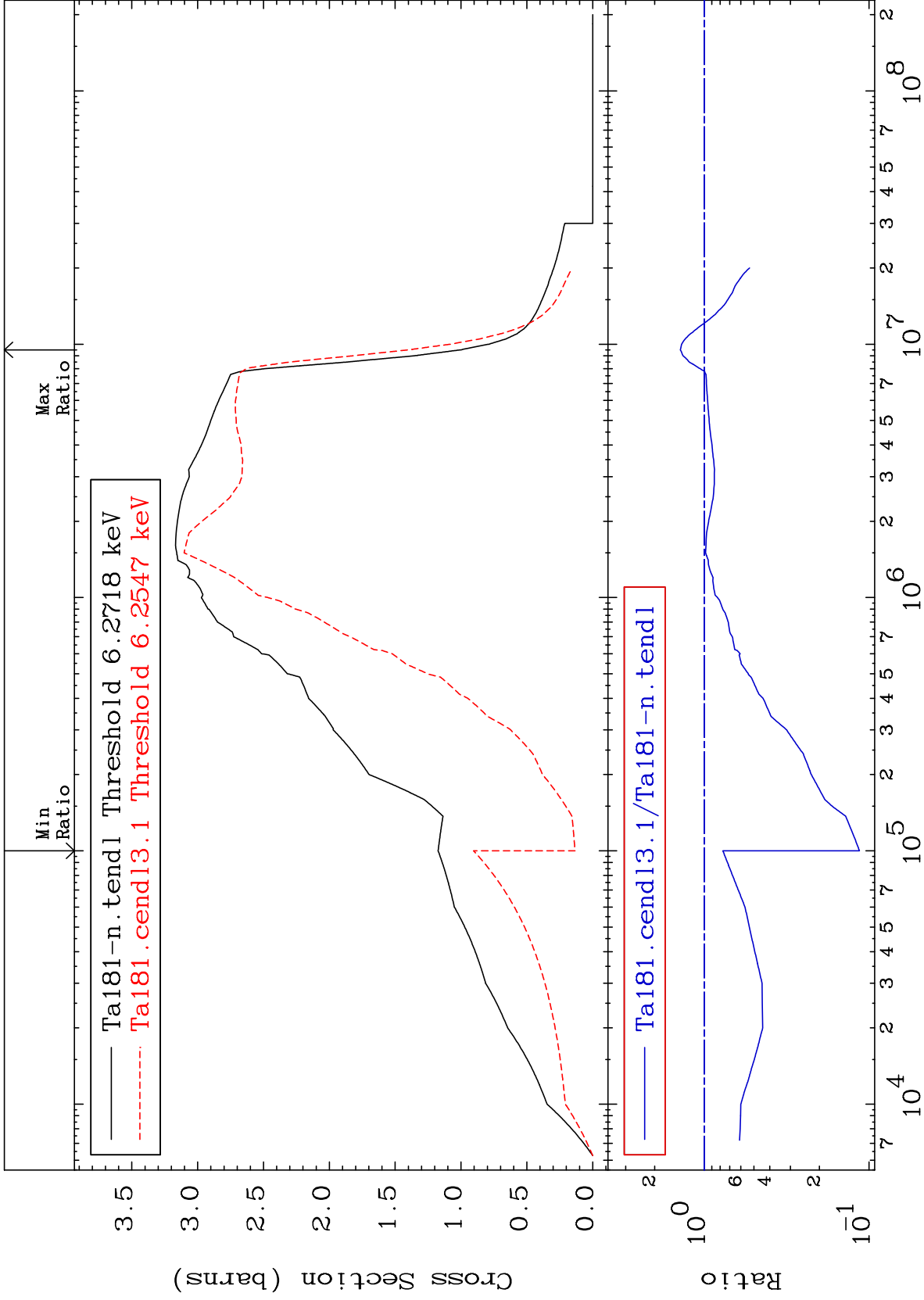
2

Incident Energy (eV)

73-Ta-181

MAT 7328

Inelastic Cross Section  
73-Ta-181  
-88.55 To 39.59 %



3

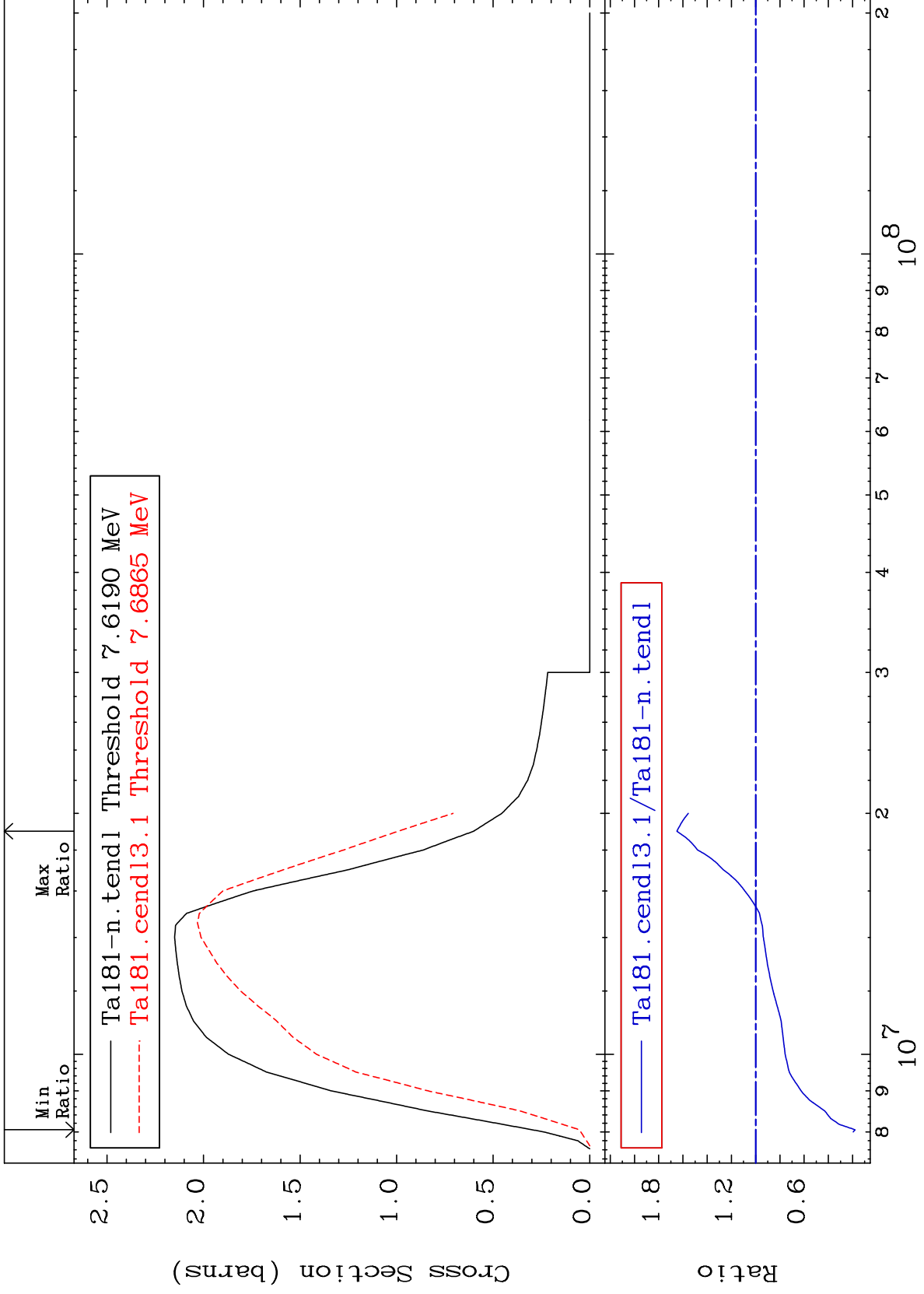
Incident Energy (eV)

73-Ta-181

MAT 7328

(n,2n)  
Cross Section

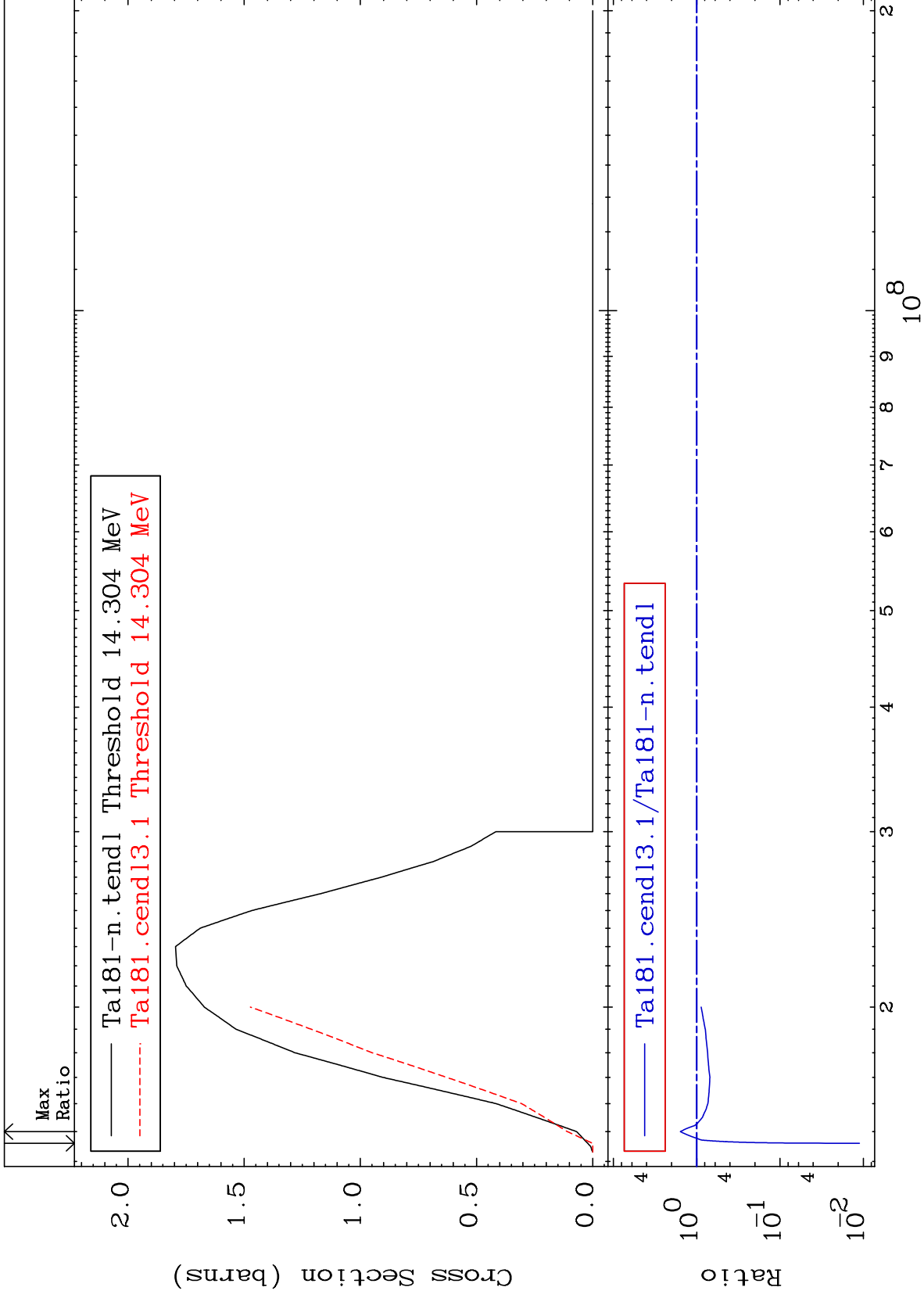
<sup>73</sup>Ta-181  
-82.05 To 64.97 %



4

Incident Energy (eV)

<sup>73</sup>Ta-181



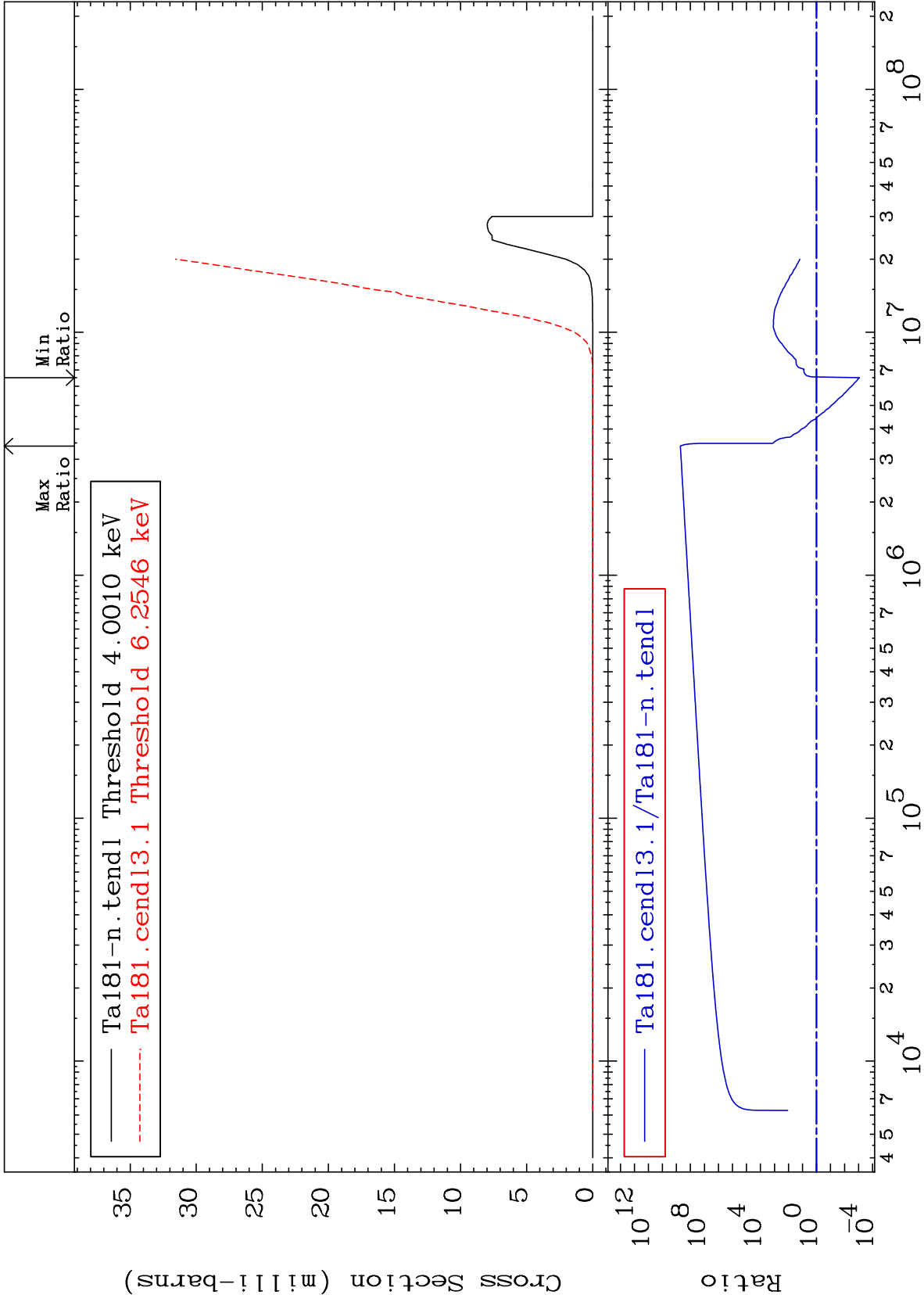
MAT 7328

(n, n')  $\alpha$

<sup>73</sup>Ta-<sup>181</sup>Ta

Cross Section

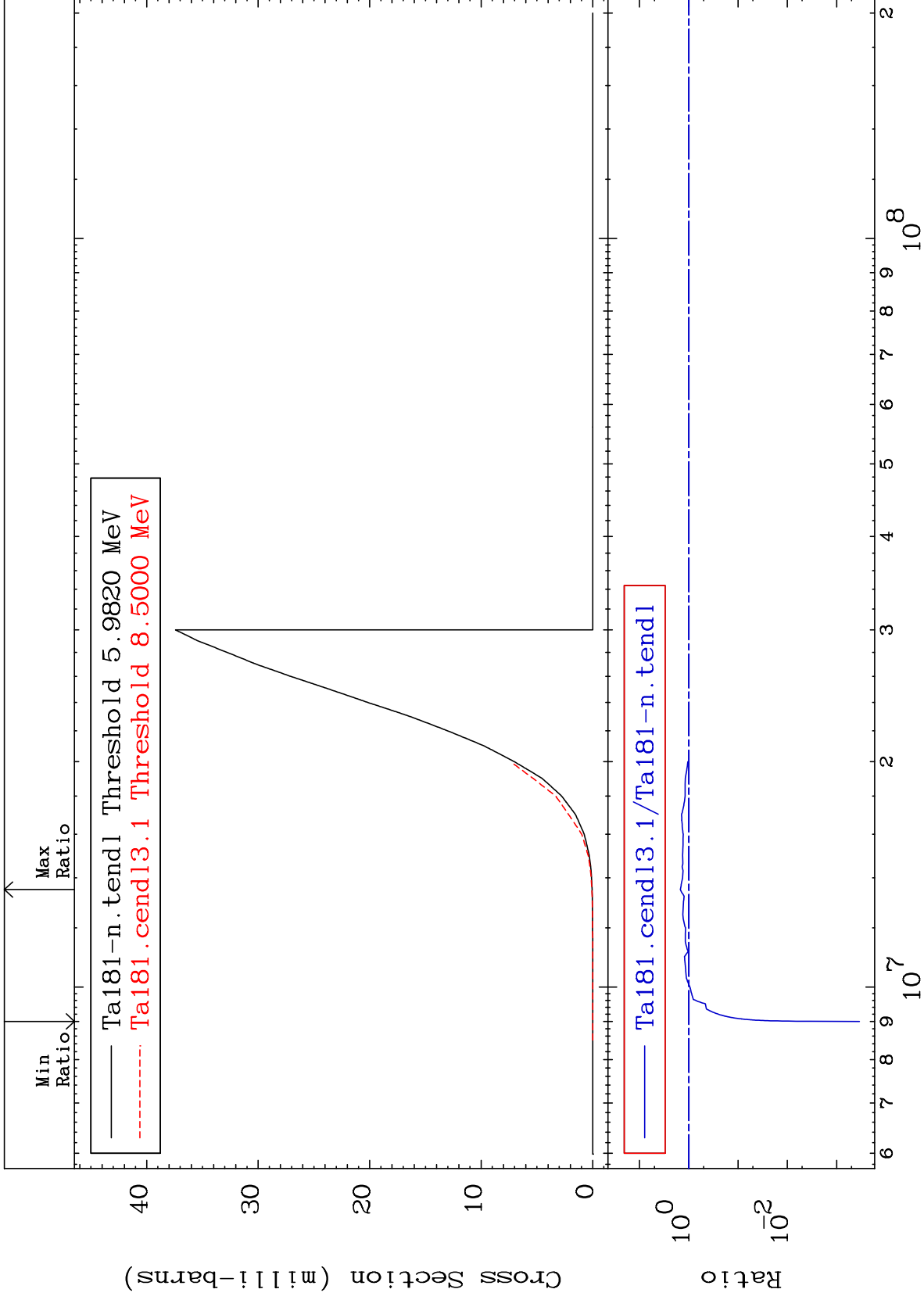
-99.91 To 9999. %



MAT 7328

(n,n') p  
Cross Section

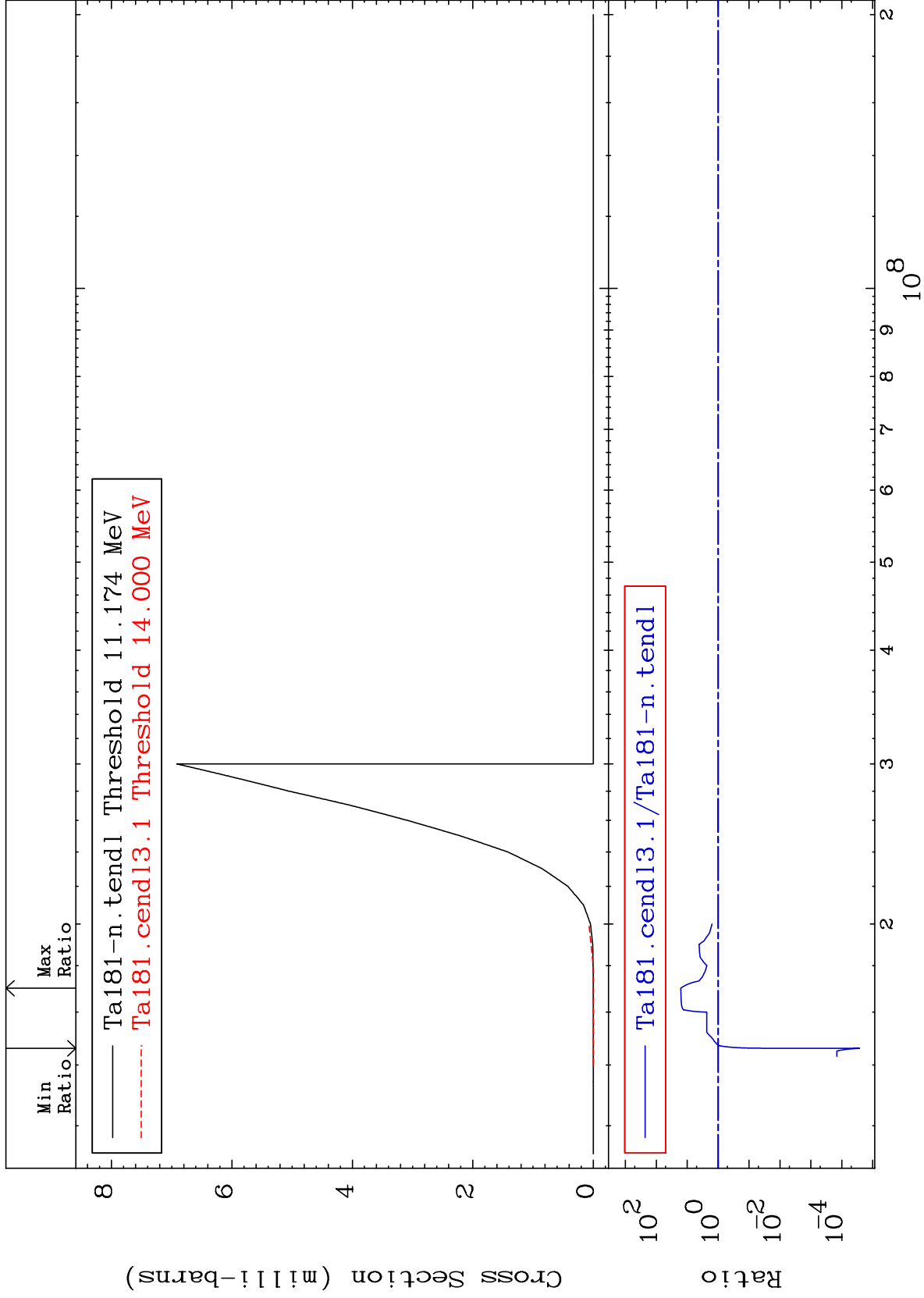
<sup>73</sup>Ta-<sup>181</sup>Ta  
-99.97 To 48.37 %



7

Incident Energy (eV)

<sup>73</sup>Ta-<sup>181</sup>Ta





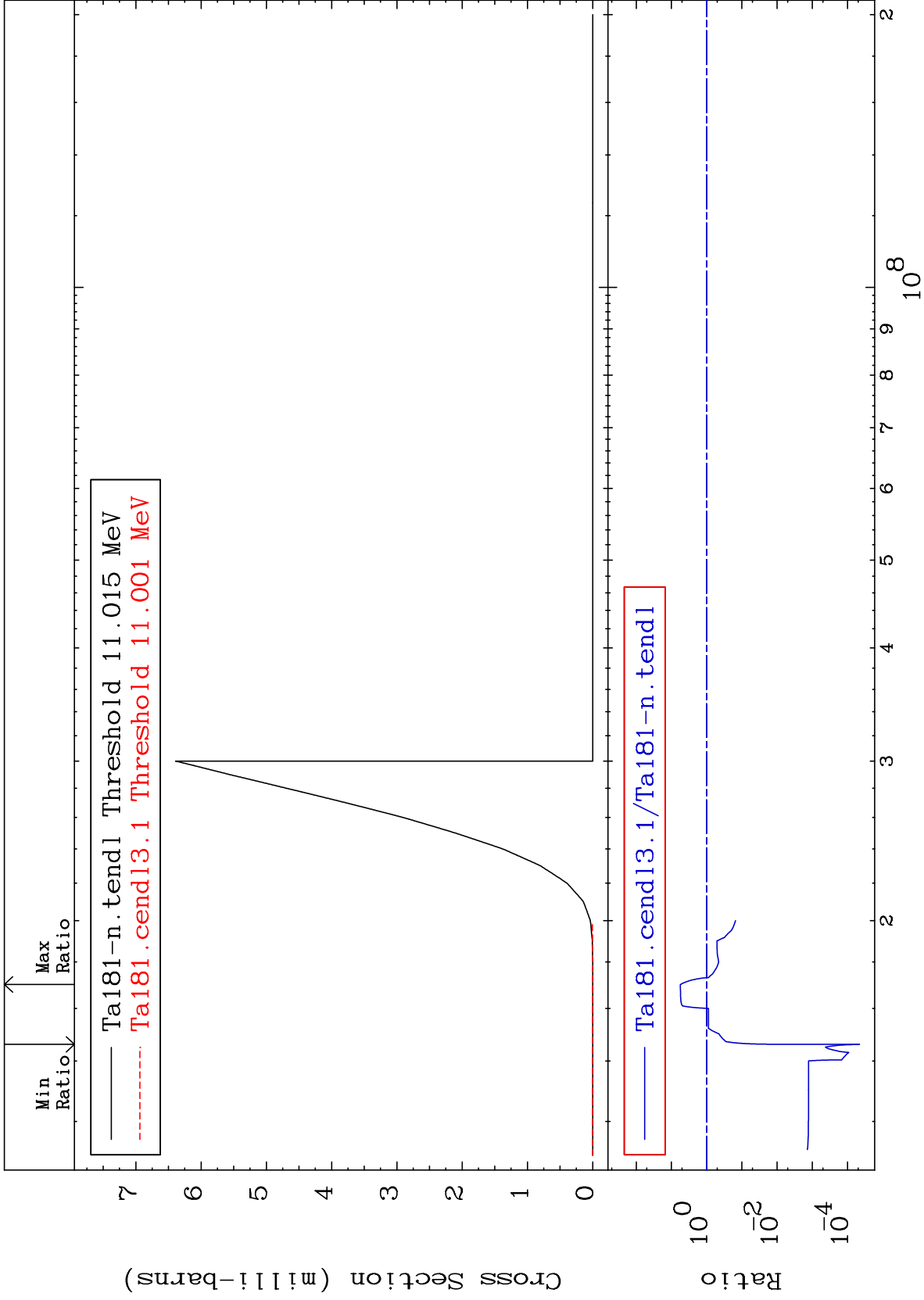
MAT 7328

(n,n') t

<sup>73</sup>Ta-181

Cross Section

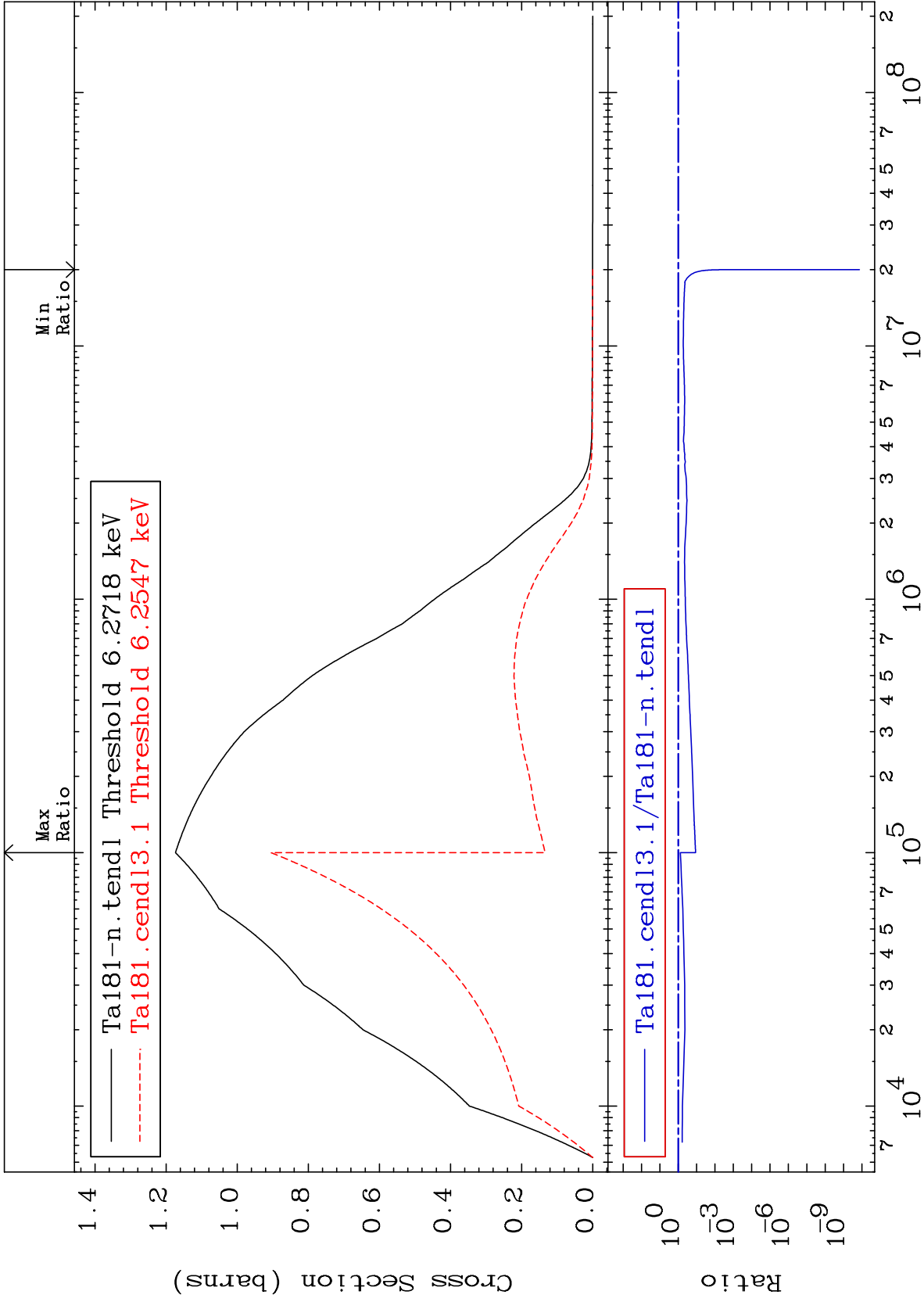
-100.0 To 458.2 %



MAT 7328

6.237 keV (n,n') Level  
Cross Section

<sup>73</sup>Ta-<sup>181</sup>  
-100.0 To -22.91%



10

Incident Energy (eV)

<sup>73</sup>Ta-<sup>181</sup>

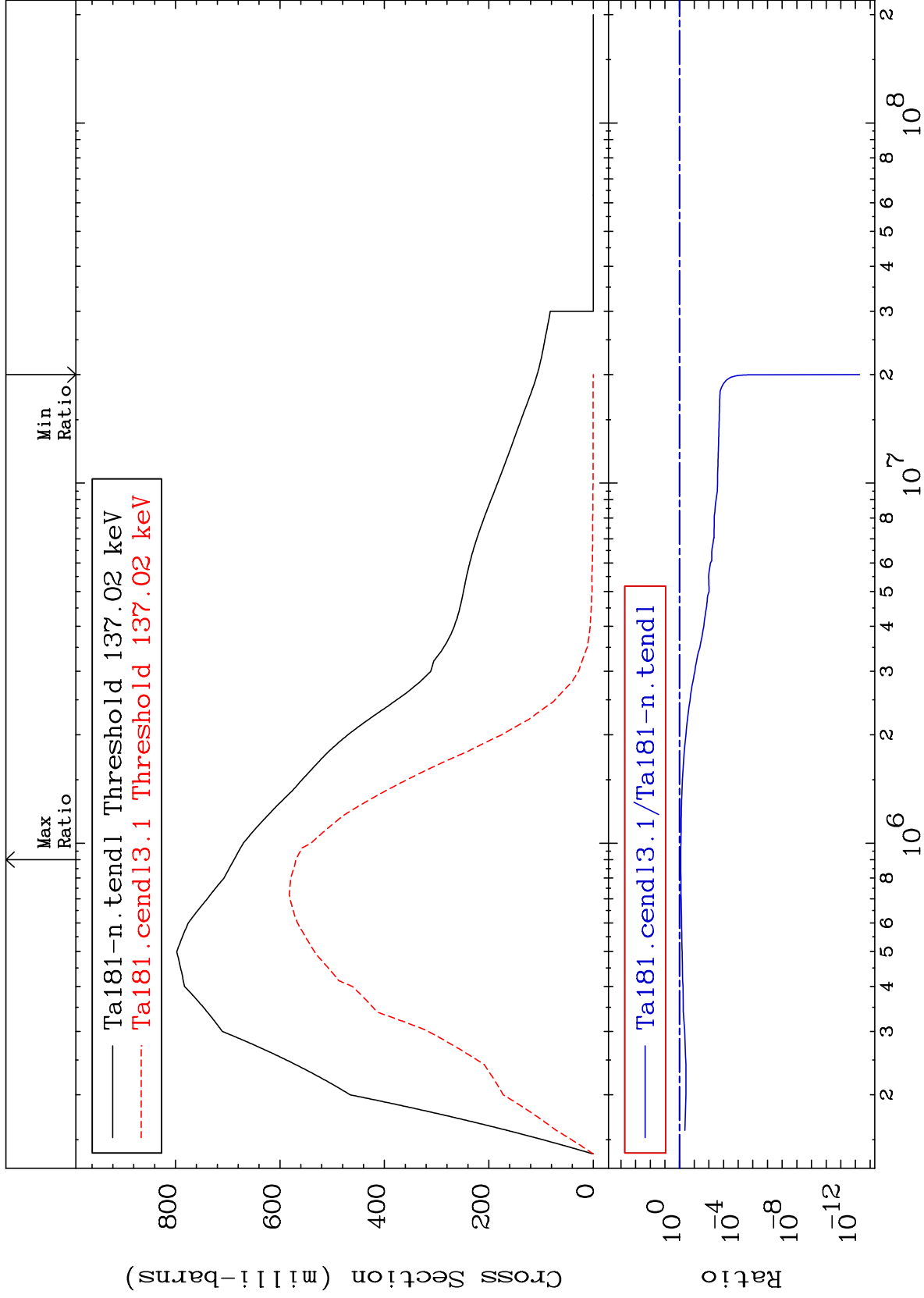
MAT 7328

136.3 keV (n,n') Level

<sup>73</sup>Ta-<sup>181</sup>

-100.0 To -17.17%

Cross Section



11

Incident Energy (eV)

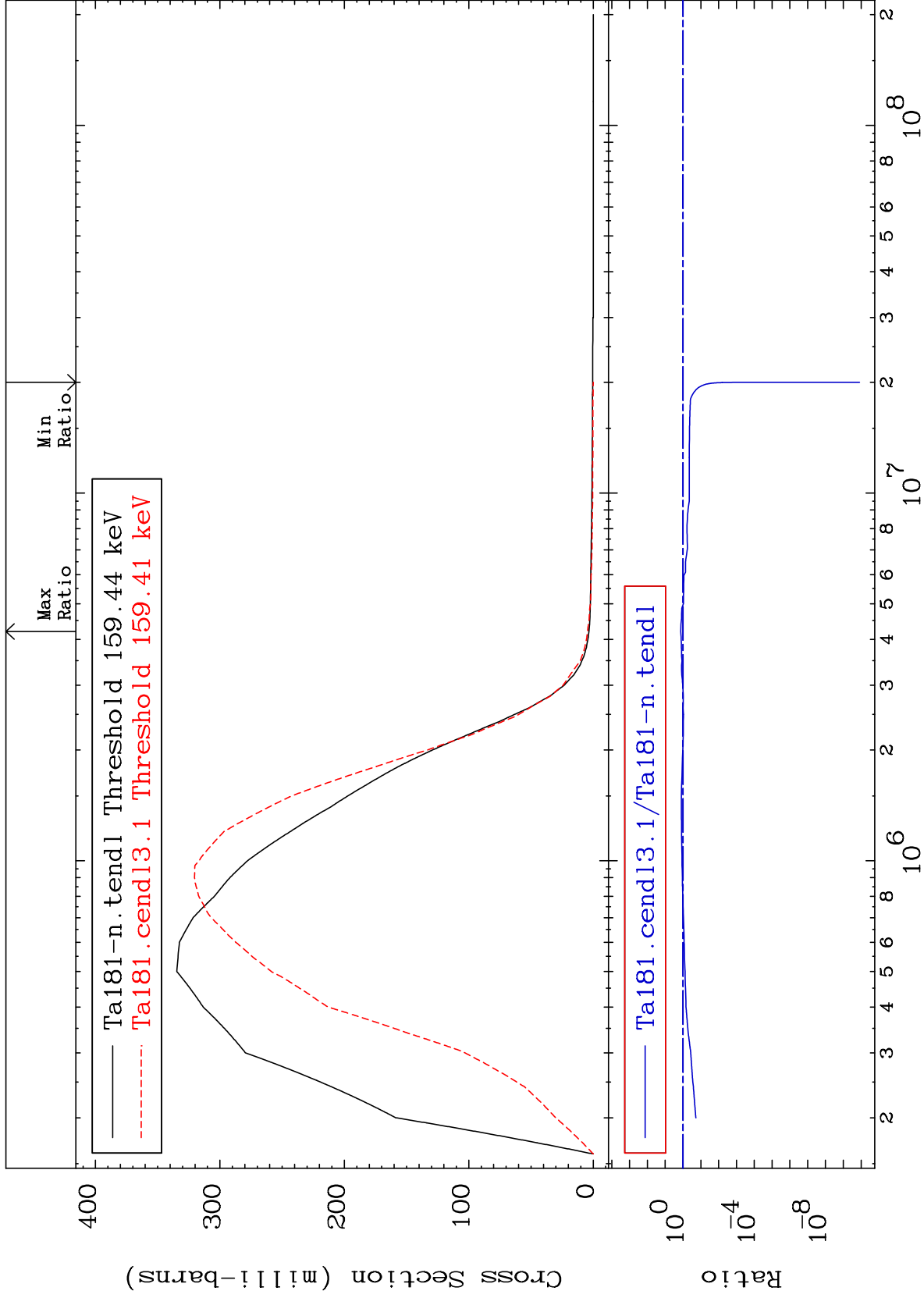
<sup>73</sup>Ta-<sup>181</sup>

MAT 7328

158.6 keV (n,n') Level

<sup>73</sup>Ta-<sup>181</sup>

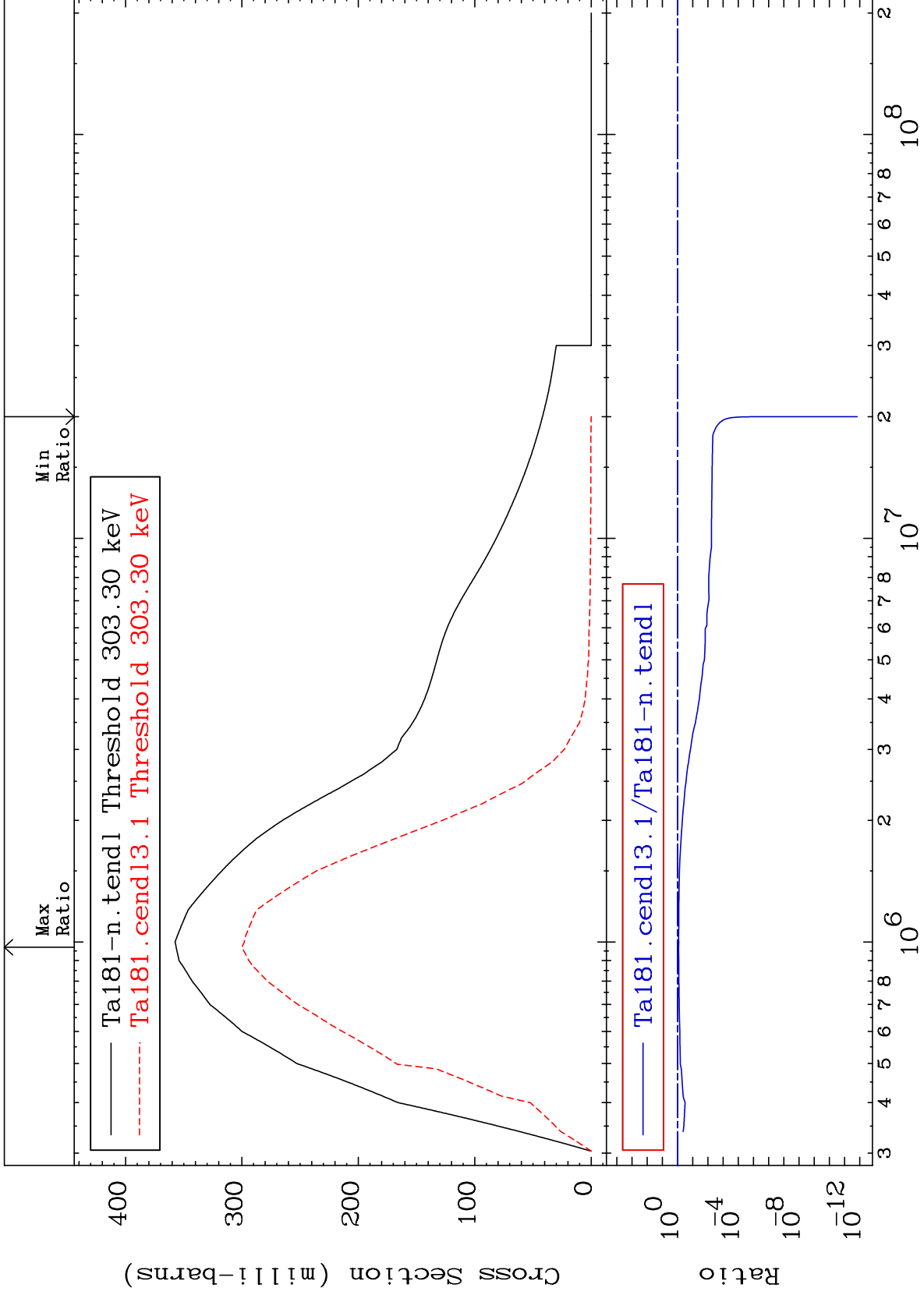
-100.0 To 33.83 %



MAT 7328

301.6 keV (n,n') Level  
Cross Section

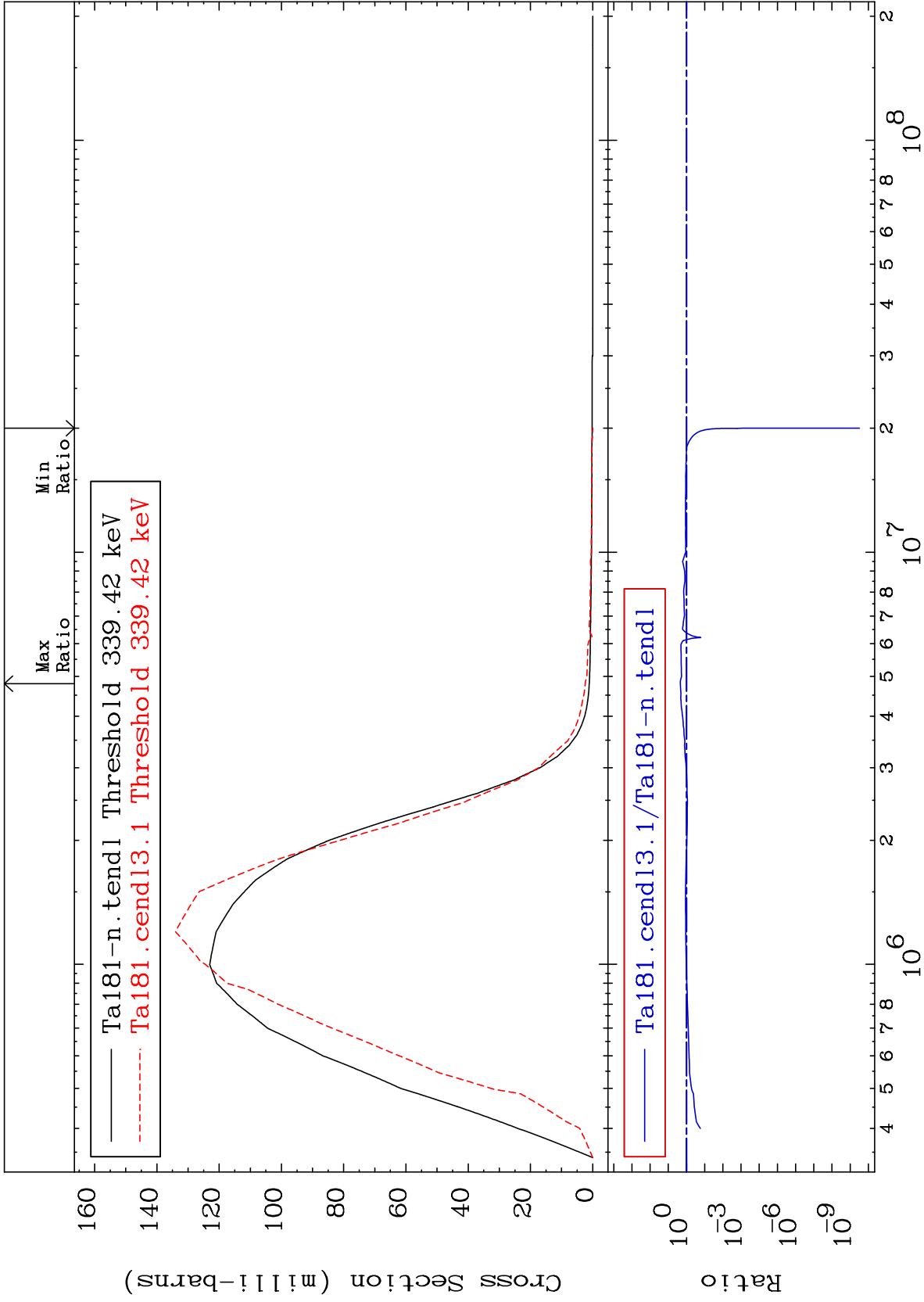
<sup>73</sup>Ta-<sup>181</sup>Ta  
-100.0 To -15.81%



MAT 7328

337.5 keV (n,n') Level  
Cross Section

<sup>73</sup>Ta-<sup>181</sup>  
-100.0 To 116.9 %



14

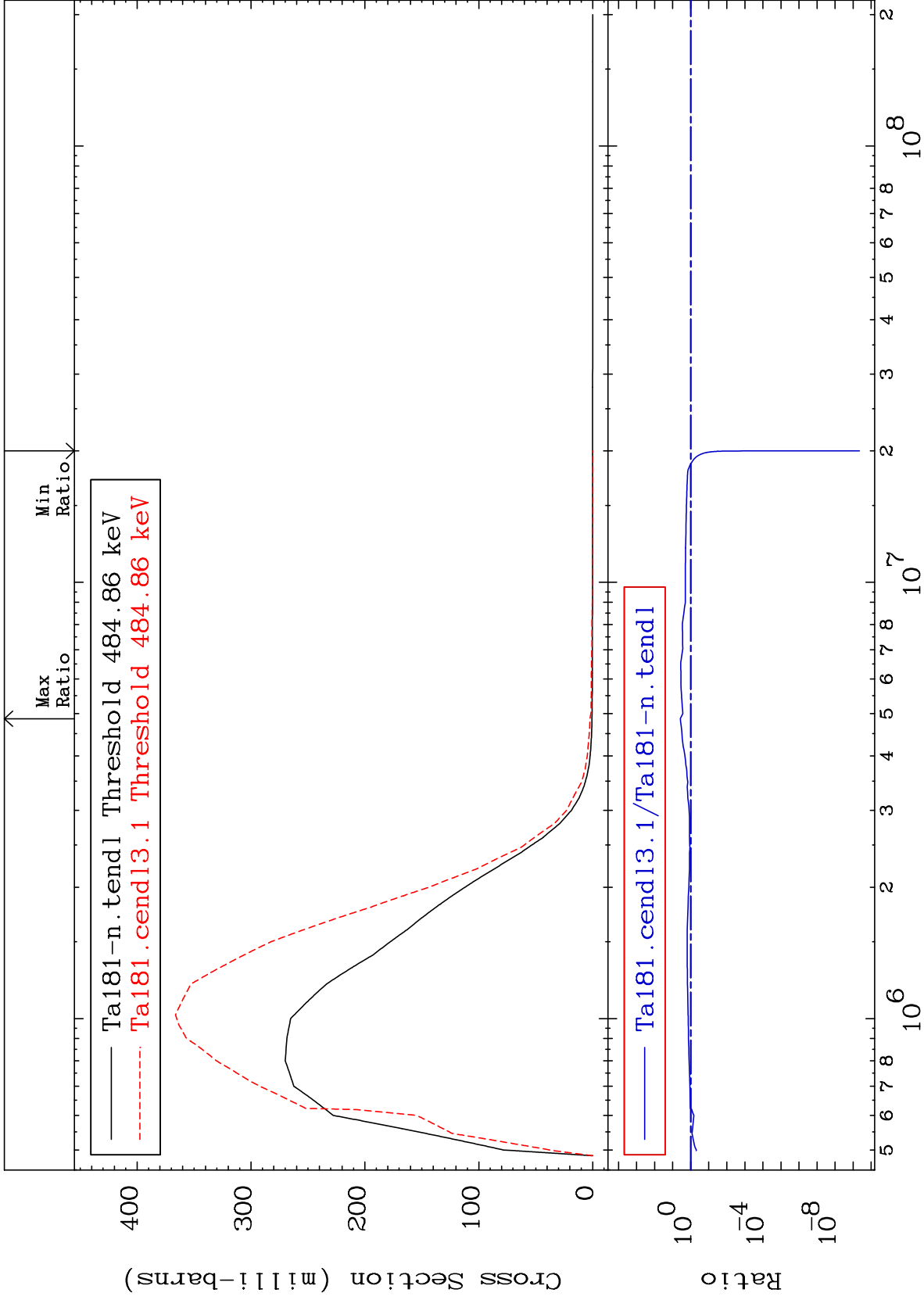
Incident Energy (eV)

<sup>73</sup>Ta-<sup>181</sup>

MAT 7328

482.2 keV (n,n') Level  
Cross Section

<sup>73</sup>Ta-<sup>181</sup>  
-100.0 To 275.4 %



15

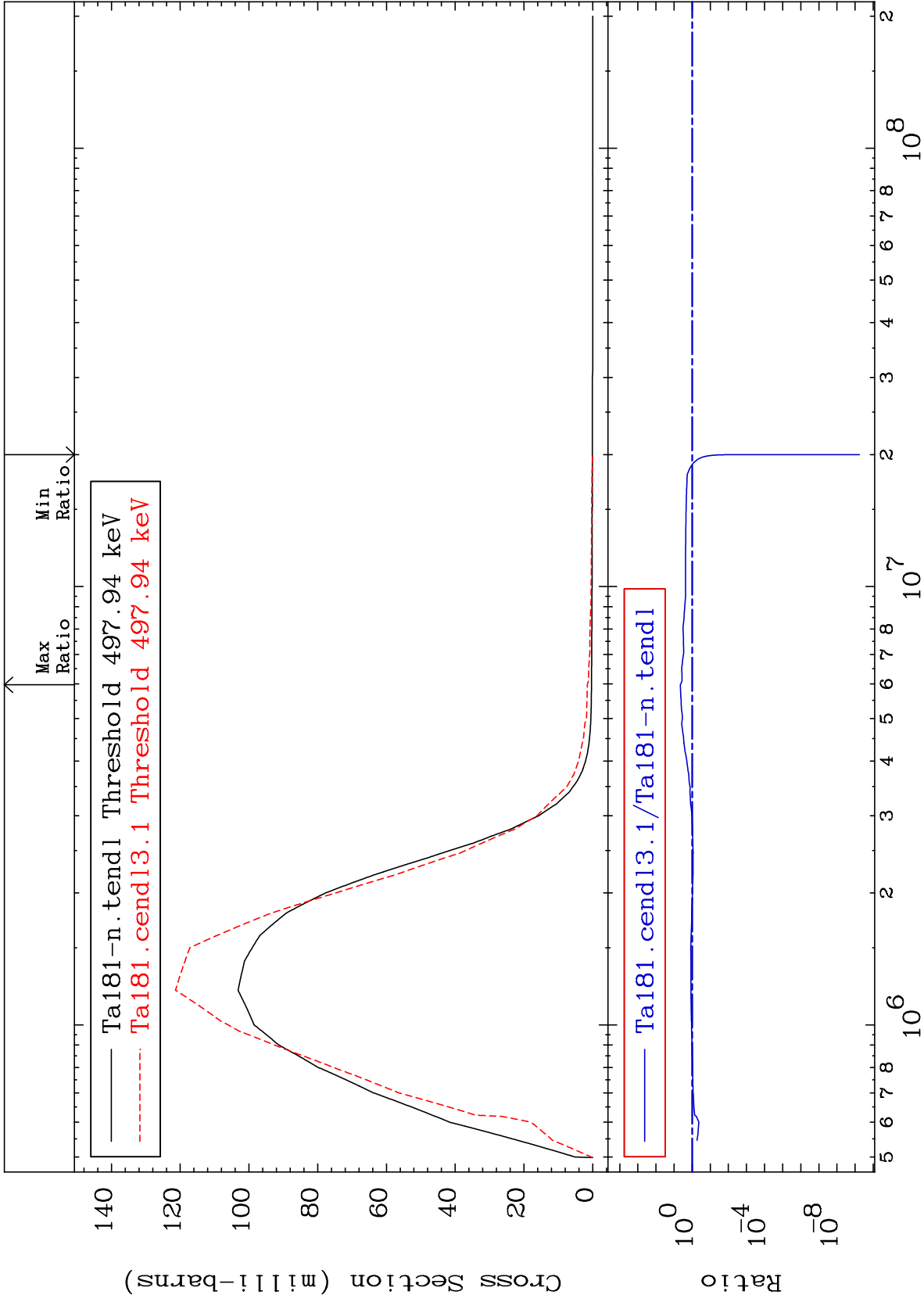
Incident Energy (eV)

<sup>73</sup>Ta-<sup>181</sup>

MAT 7328

495.2 keV (n,n') Level  
Cross Section

<sup>73</sup>Ta-<sup>181</sup>  
-100.0 To 348.7 %



16

Incident Energy (eV)

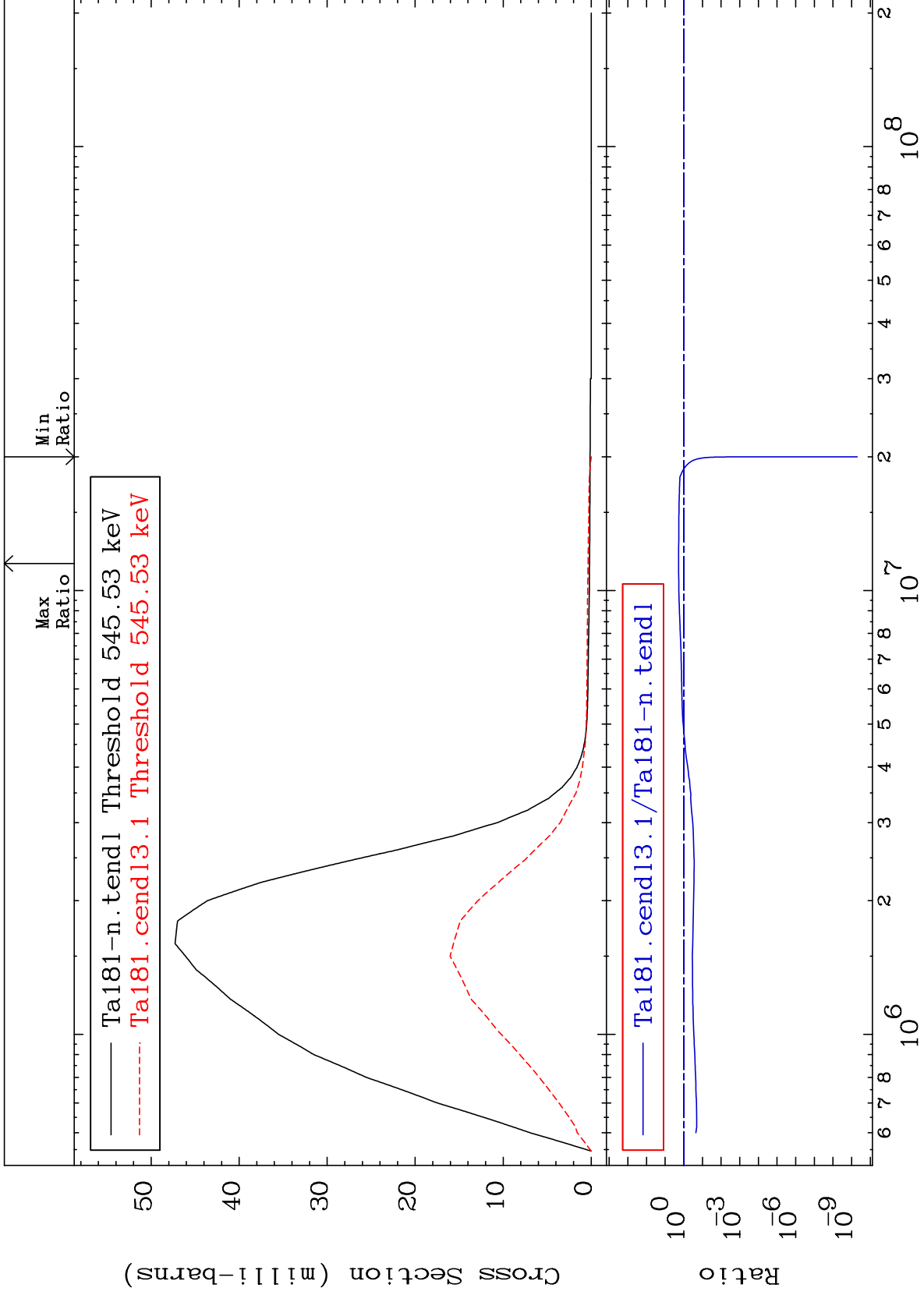
<sup>73</sup>Ta-<sup>181</sup>



MAT 7328

542.5 keV (n,n') Level  
Cross Section

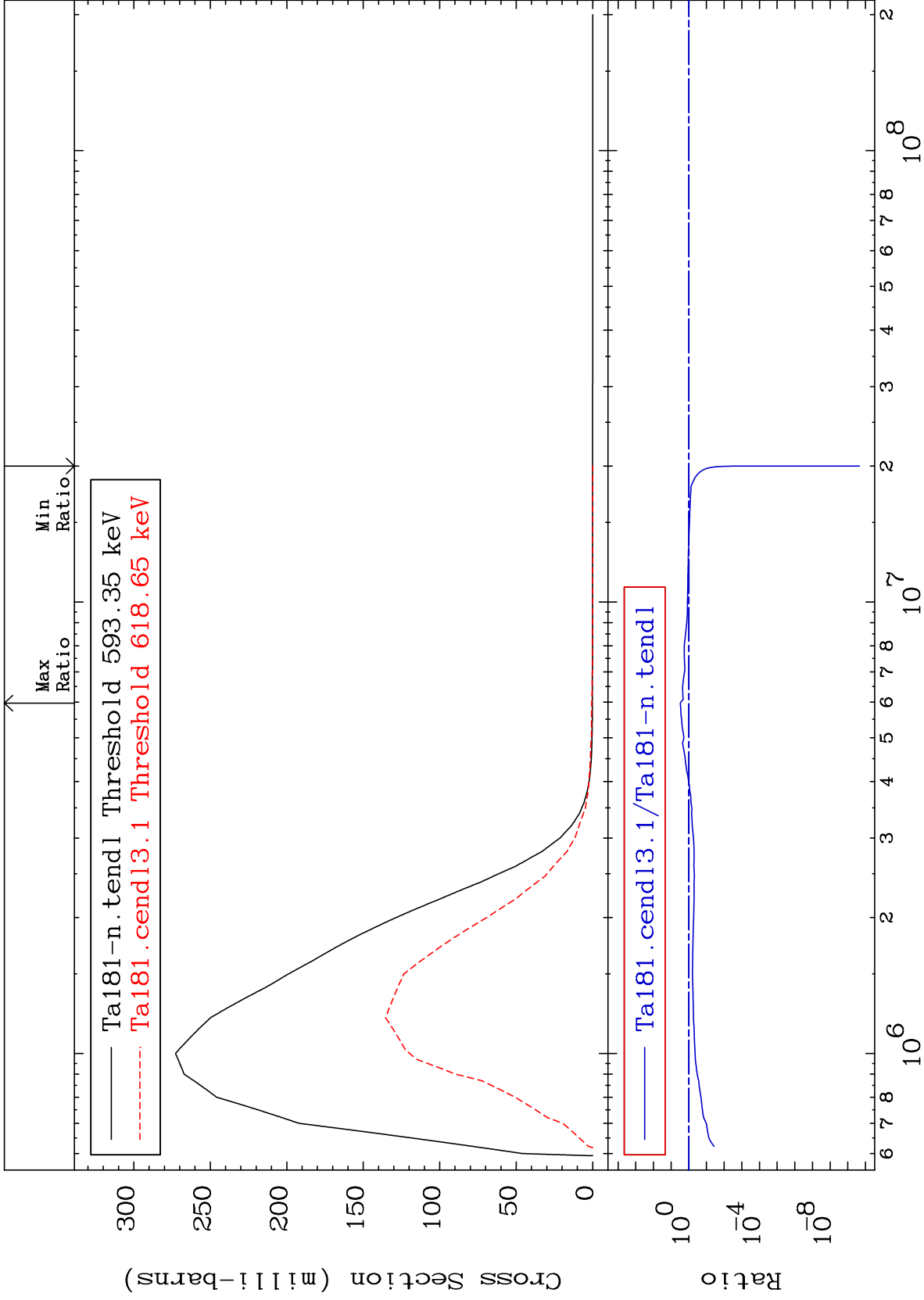
<sup>73</sup>Ta-181  
-100.0 To 88.57 %



MAT 7328

590.1 keV (n,n') Level  
Cross Section

<sup>73</sup>Ta-<sup>181</sup>  
-100.0 To 200.2 %



18

Incident Energy (eV)

<sup>73</sup>Ta-<sup>181</sup>

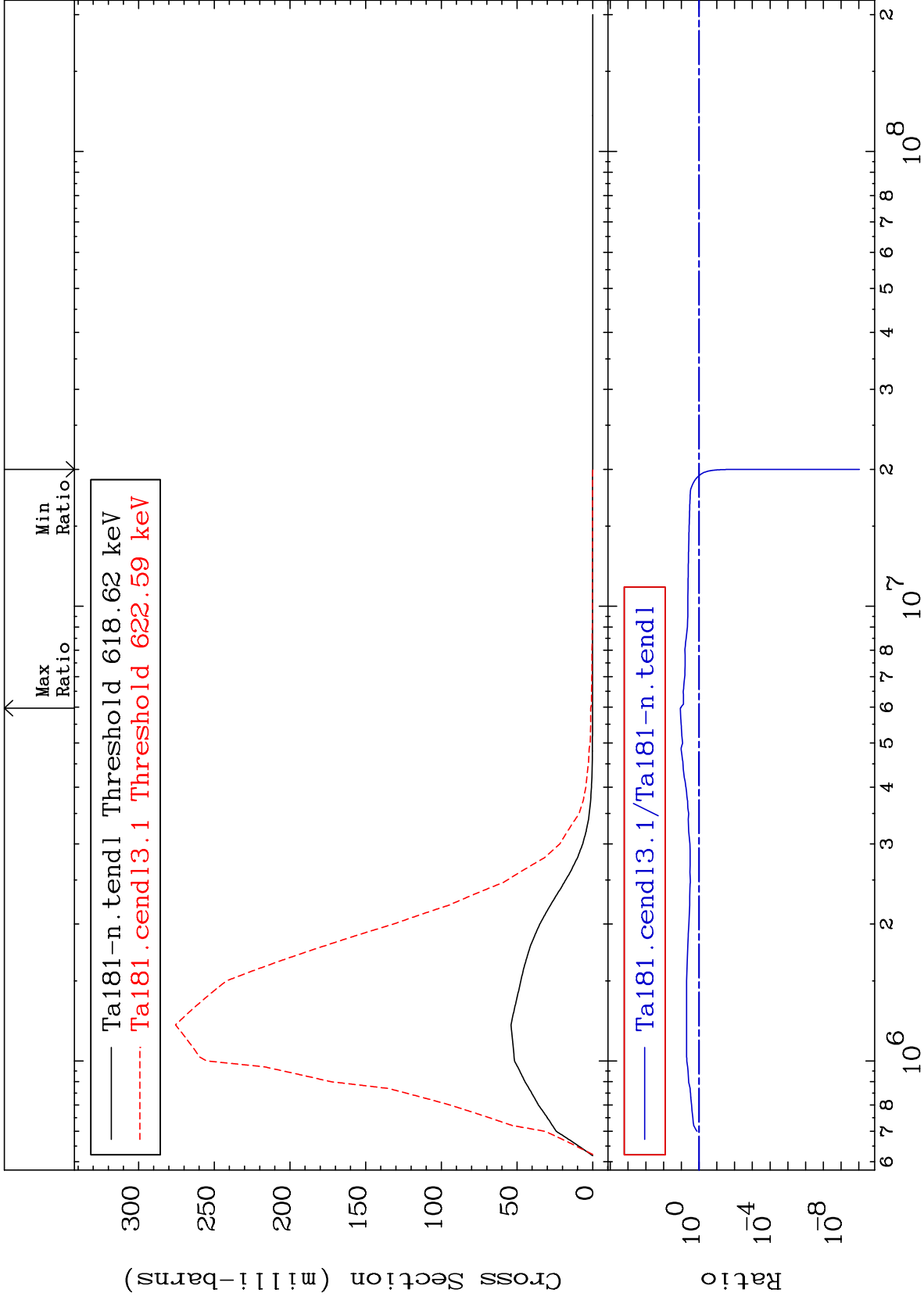
MAT 7328

615.2 keV (n,n') Level

<sup>73</sup>Ta-181

-100.0 To 1034. %

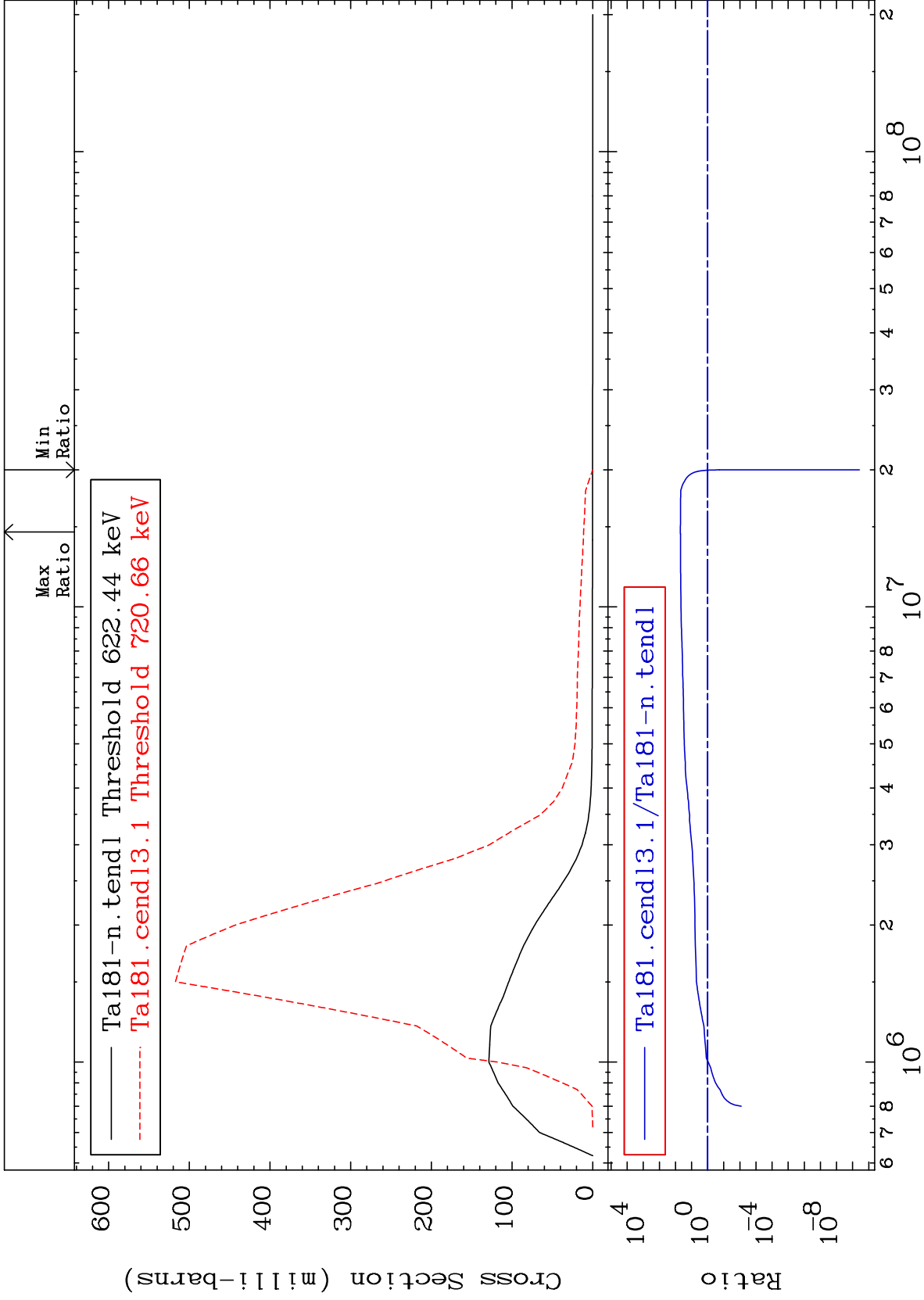
Cross Section



MAT 7328

619.0 keV (n,n') Level  
Cross Section

<sup>73</sup>Ta-<sup>181</sup>  
-100.0 To 4871. %



20

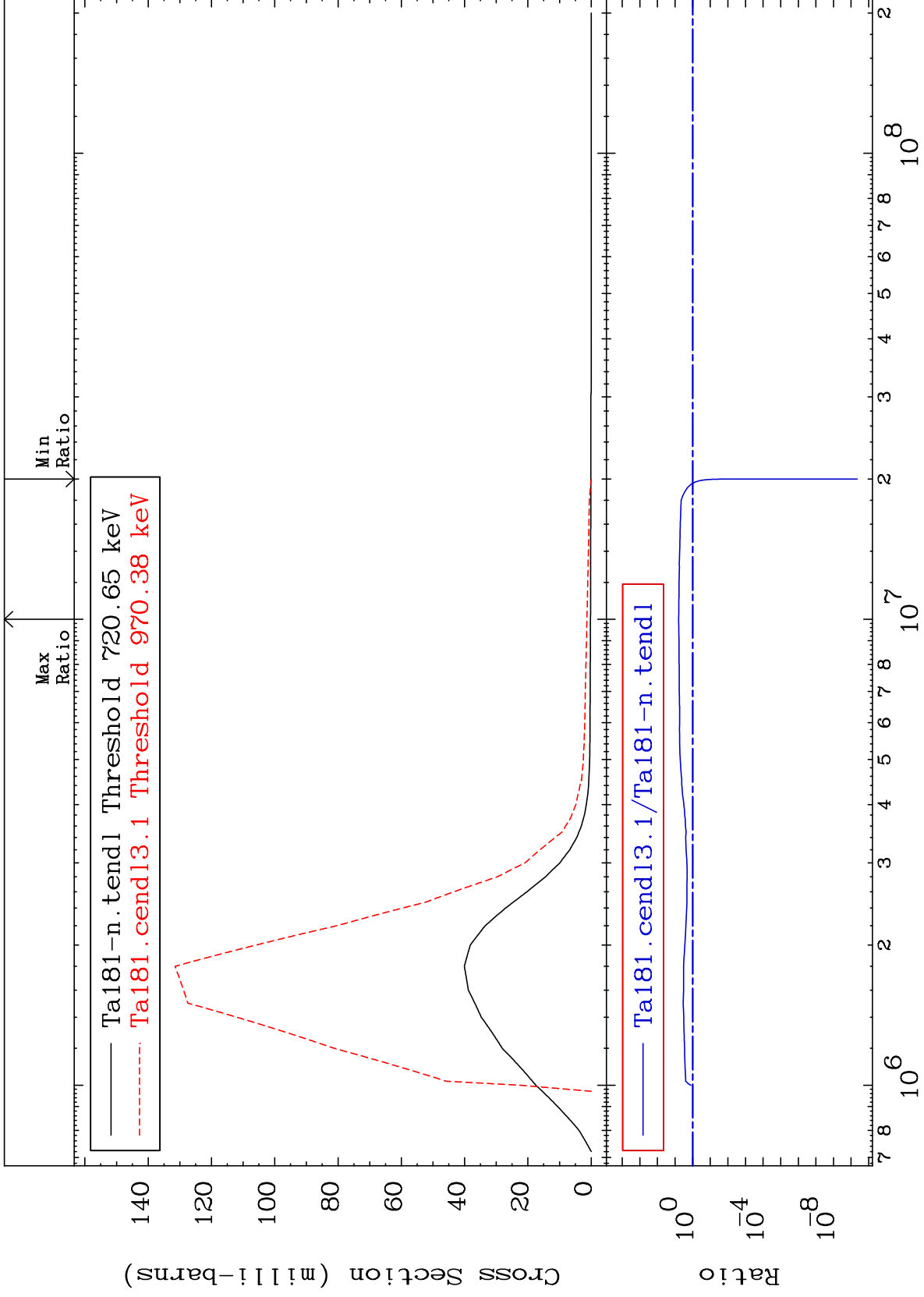
Incident Energy (eV)

<sup>73</sup>Ta-<sup>181</sup>

MAT 7328

716.7 keV (n,n') Level  
Cross Section

<sup>73</sup>Ta-<sup>181</sup>  
-100.0 To 525.6 %



21

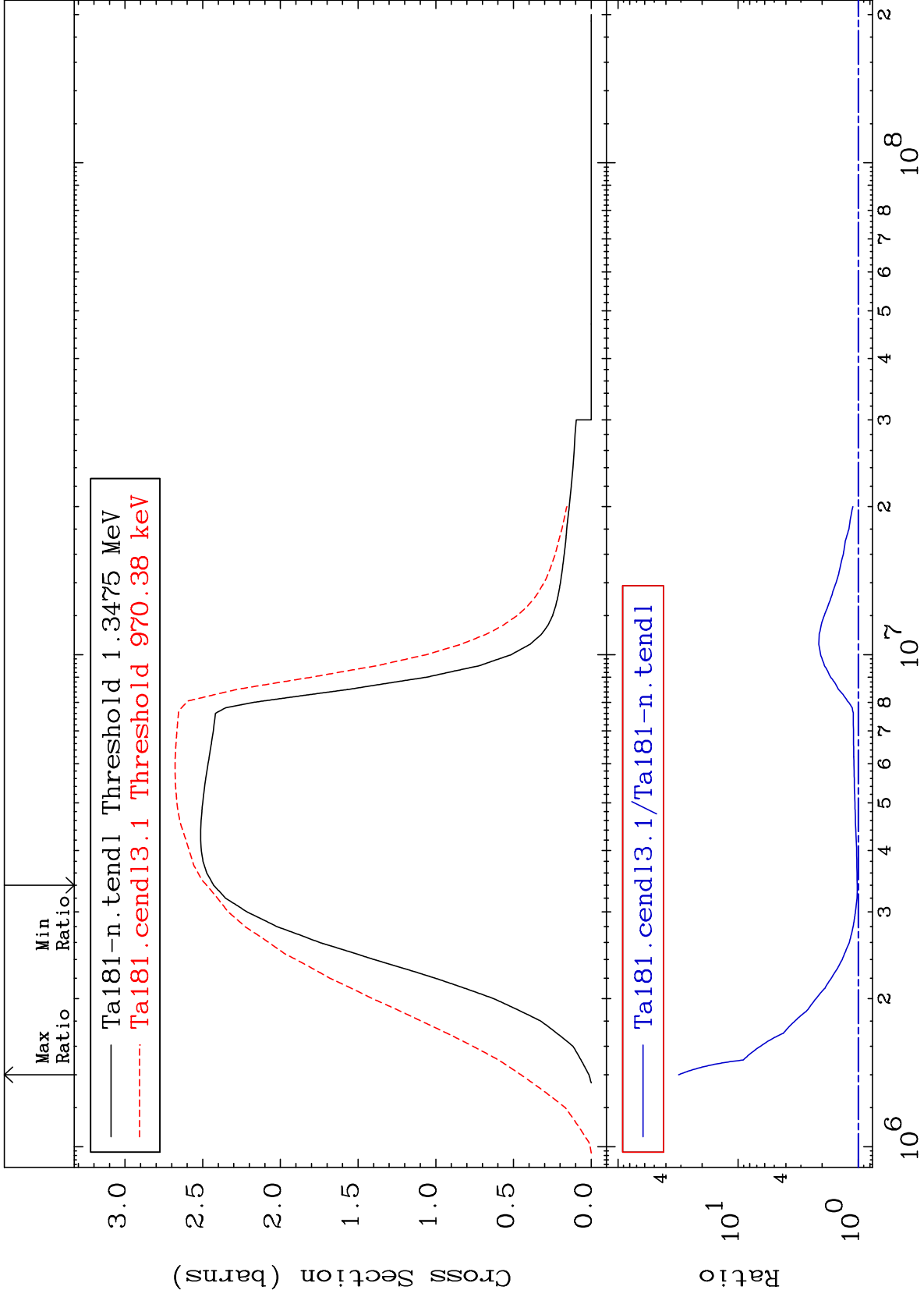
Incident Energy (eV)

<sup>73</sup>Ta-<sup>181</sup>

MAT 7328

(n, n') Continuum  
Cross Section

<sup>73</sup>Ta-181  
1.867 To 3030. %



22

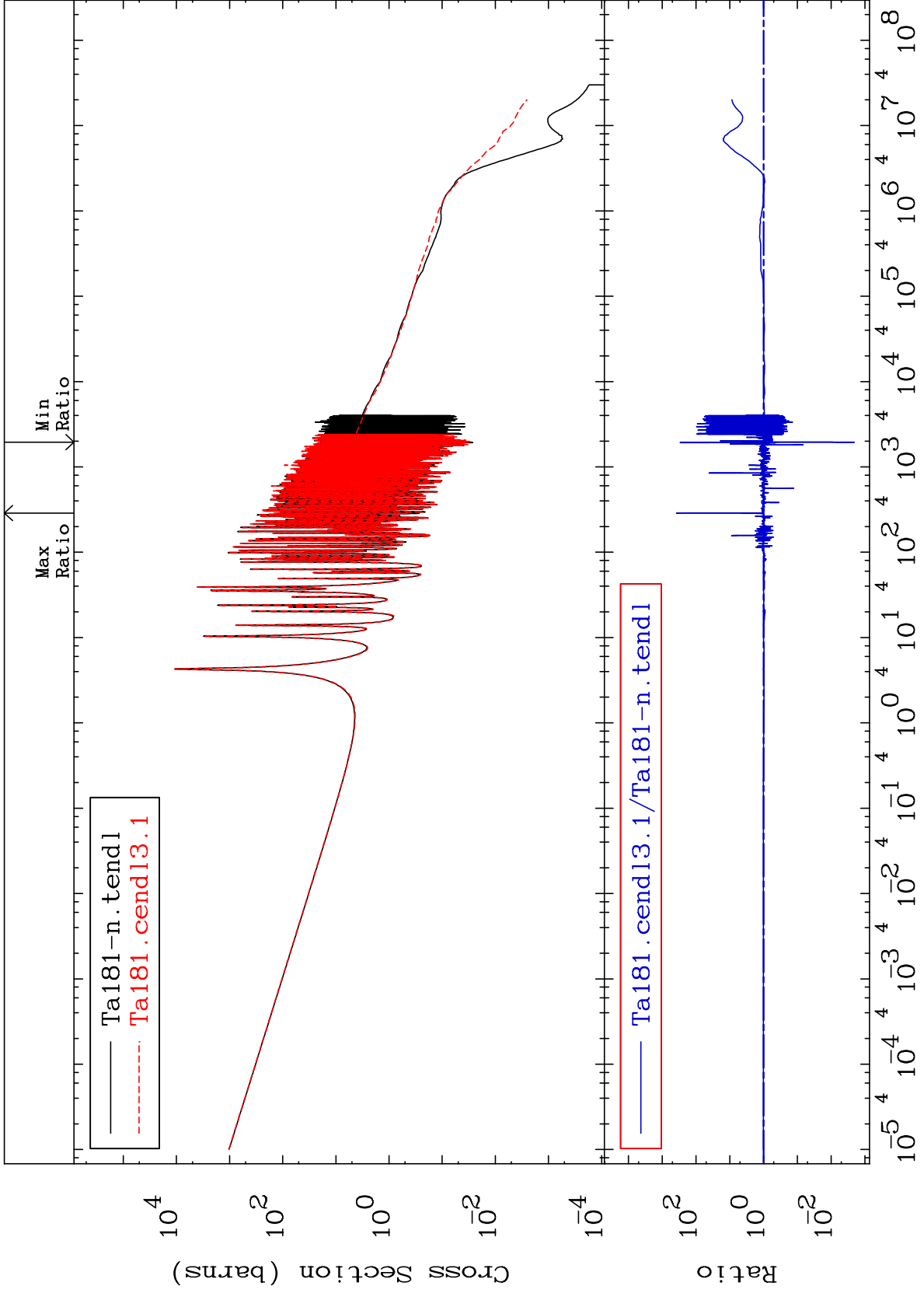
Incident Energy (eV)

<sup>73</sup>Ta-181

MAT 7328

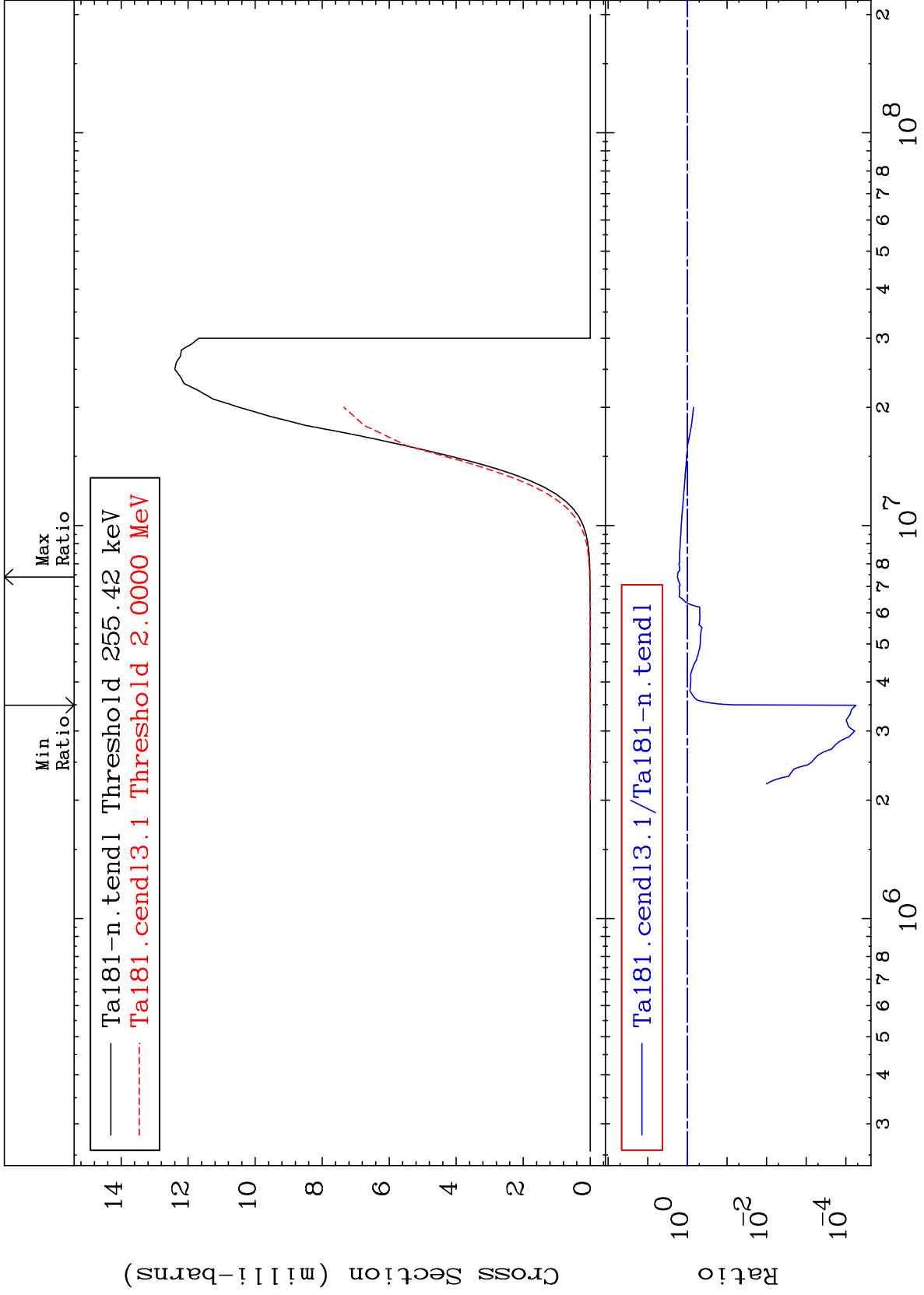
(n,  $\gamma$ )  
Cross Section

73-Ta-181  
-99.80 To 9999. %



MAT 7328

(n, p)  
Cross Section  
73-Ta-181  
-99.99 To 77.81 %

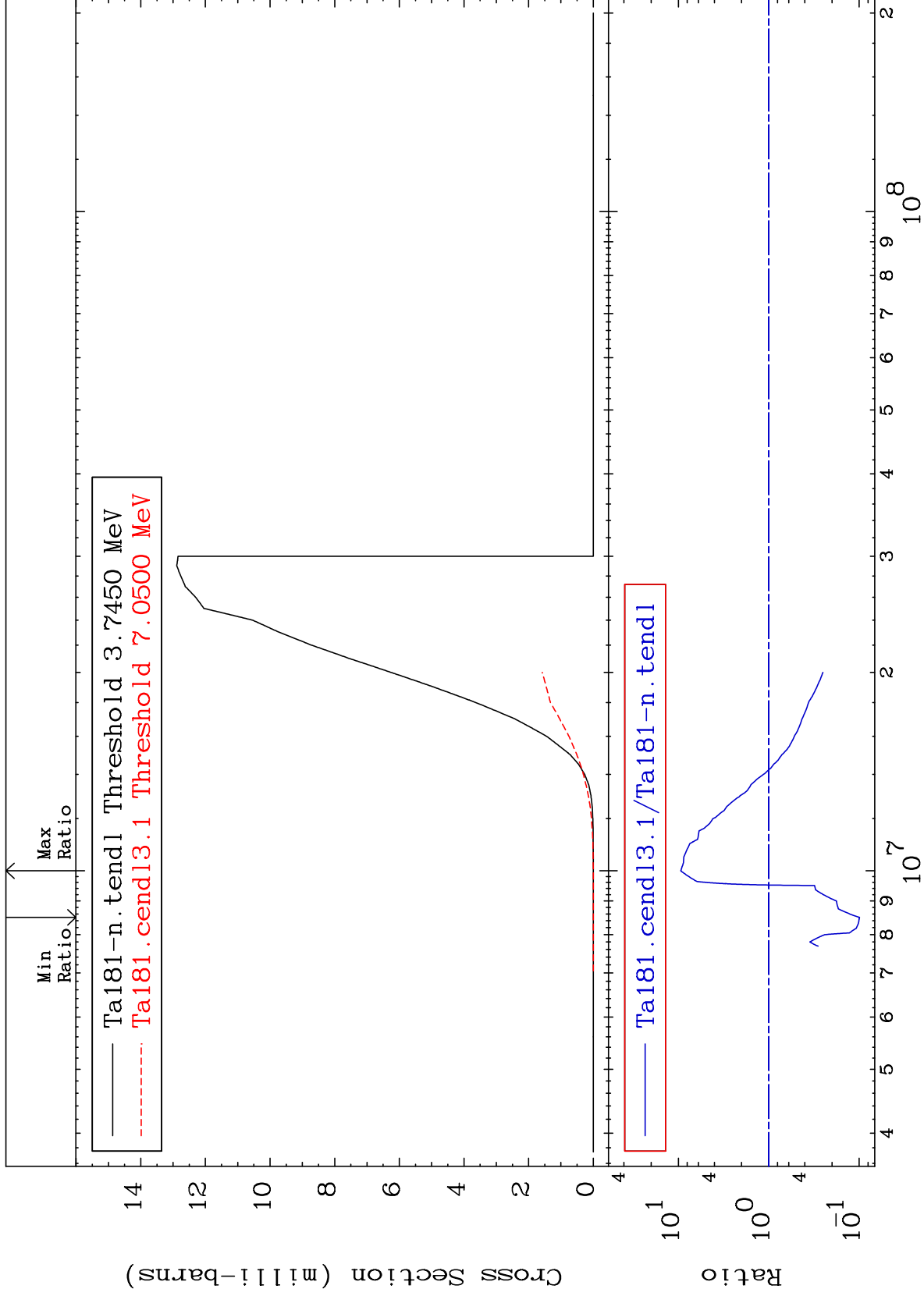




MAT 7328

(n, d)  
Cross Section

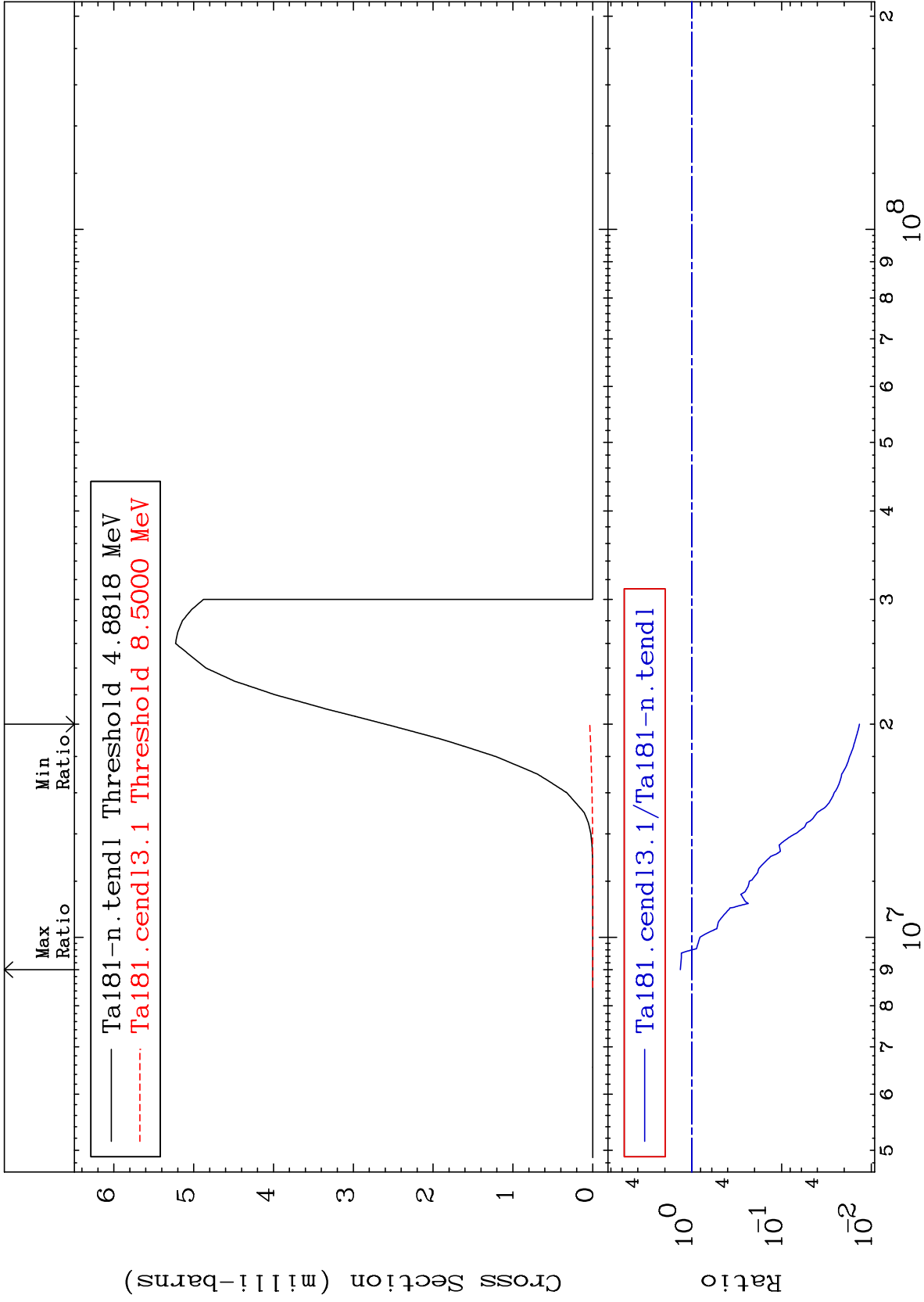
<sup>73</sup>Ta-<sup>181</sup>  
-90.08 To 840.5 %



MAT 7328

(n, t)  
Cross Section

<sup>73</sup>Ta-181  
-98.64 To 34.33 %



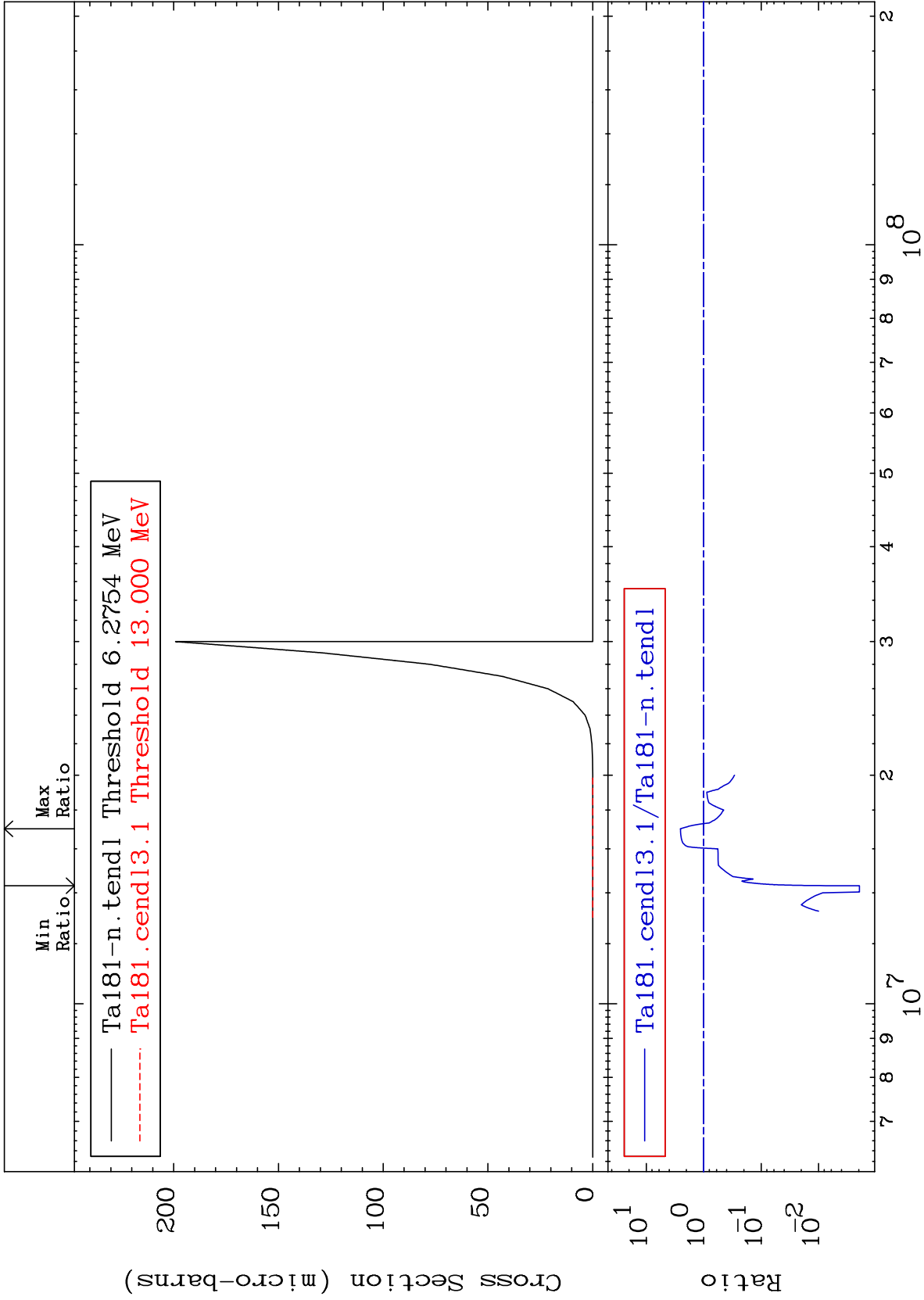
MAT 7328

(n, He-3)

<sup>73</sup>Ta-181

Cross Section

-99.81 To 155.4 %



27

Incident Energy (eV)

<sup>73</sup>Ta-181

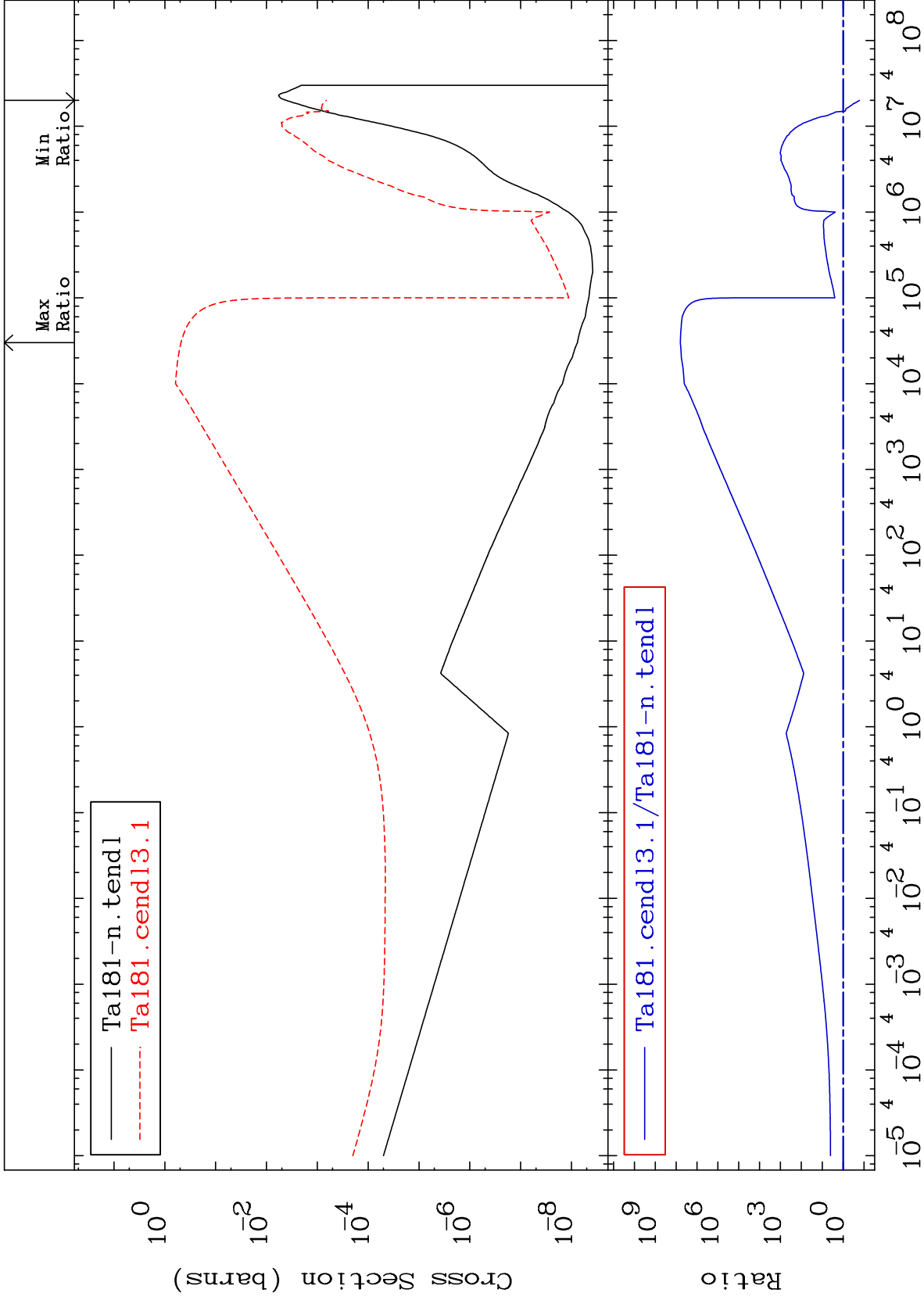
MAT 7328

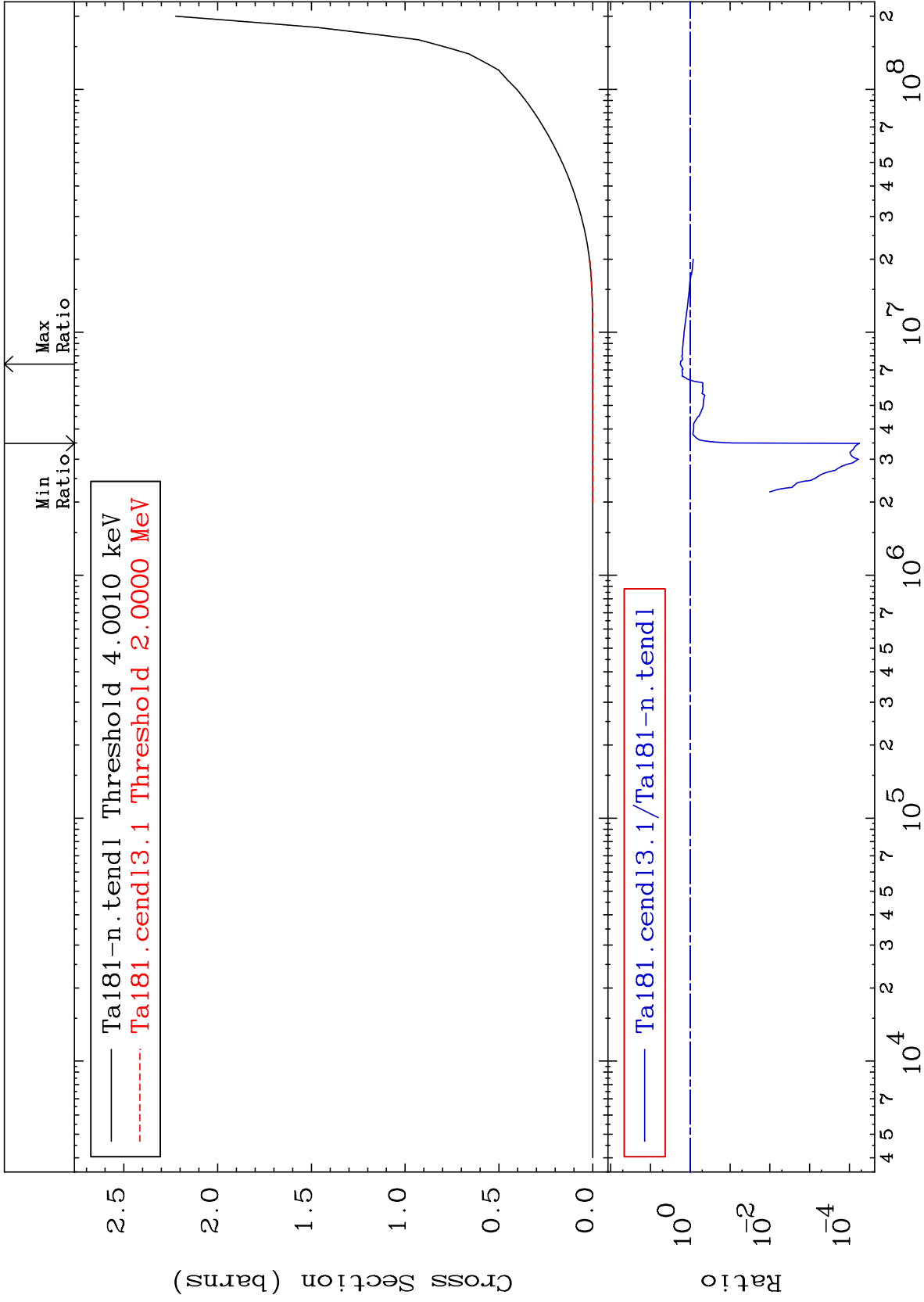
(n,  $\alpha$ )

73-Ta-181

Cross Section

-83.54 To 9999. %

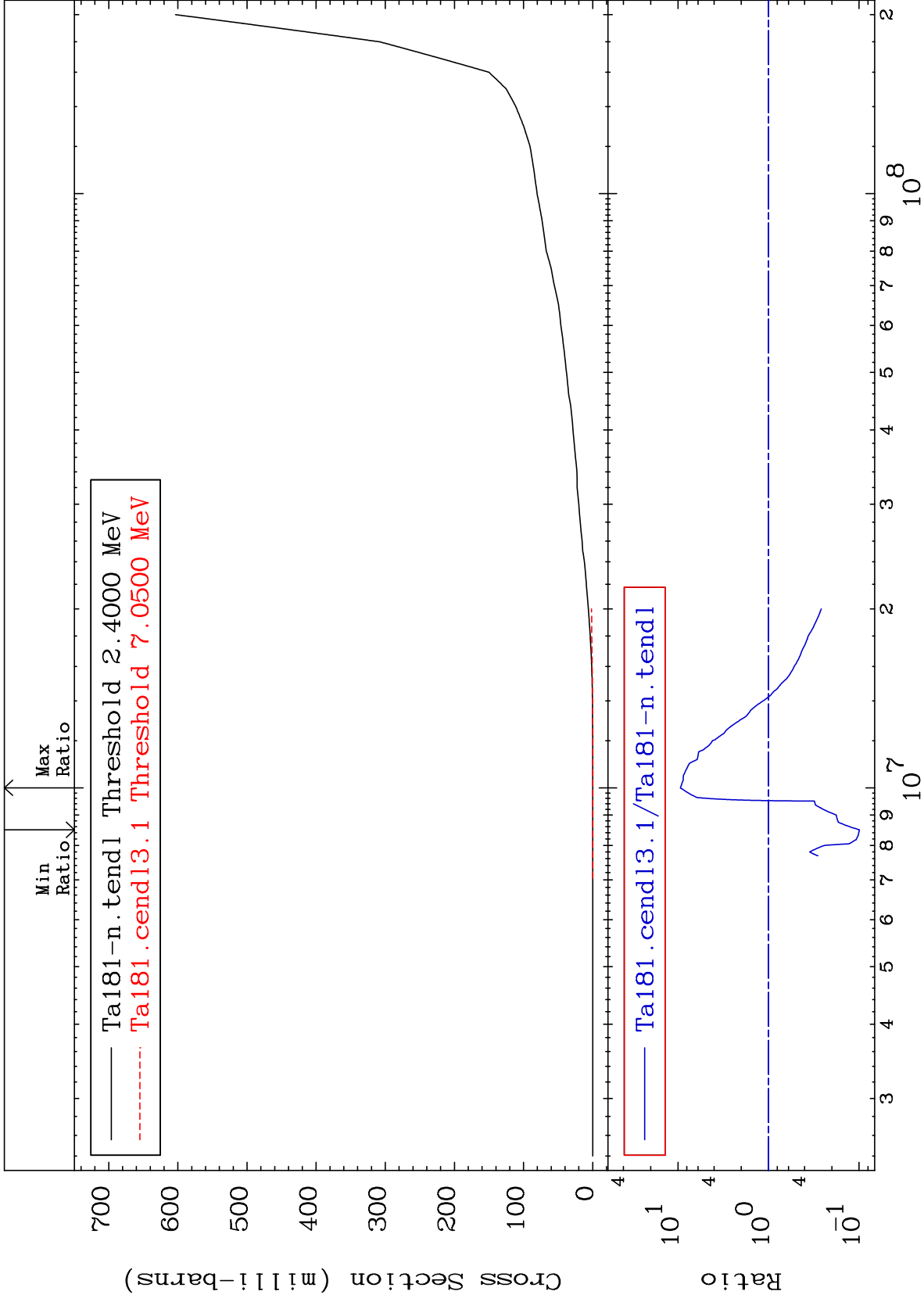




MAT 7328

Deuterium Production  
Cross Section

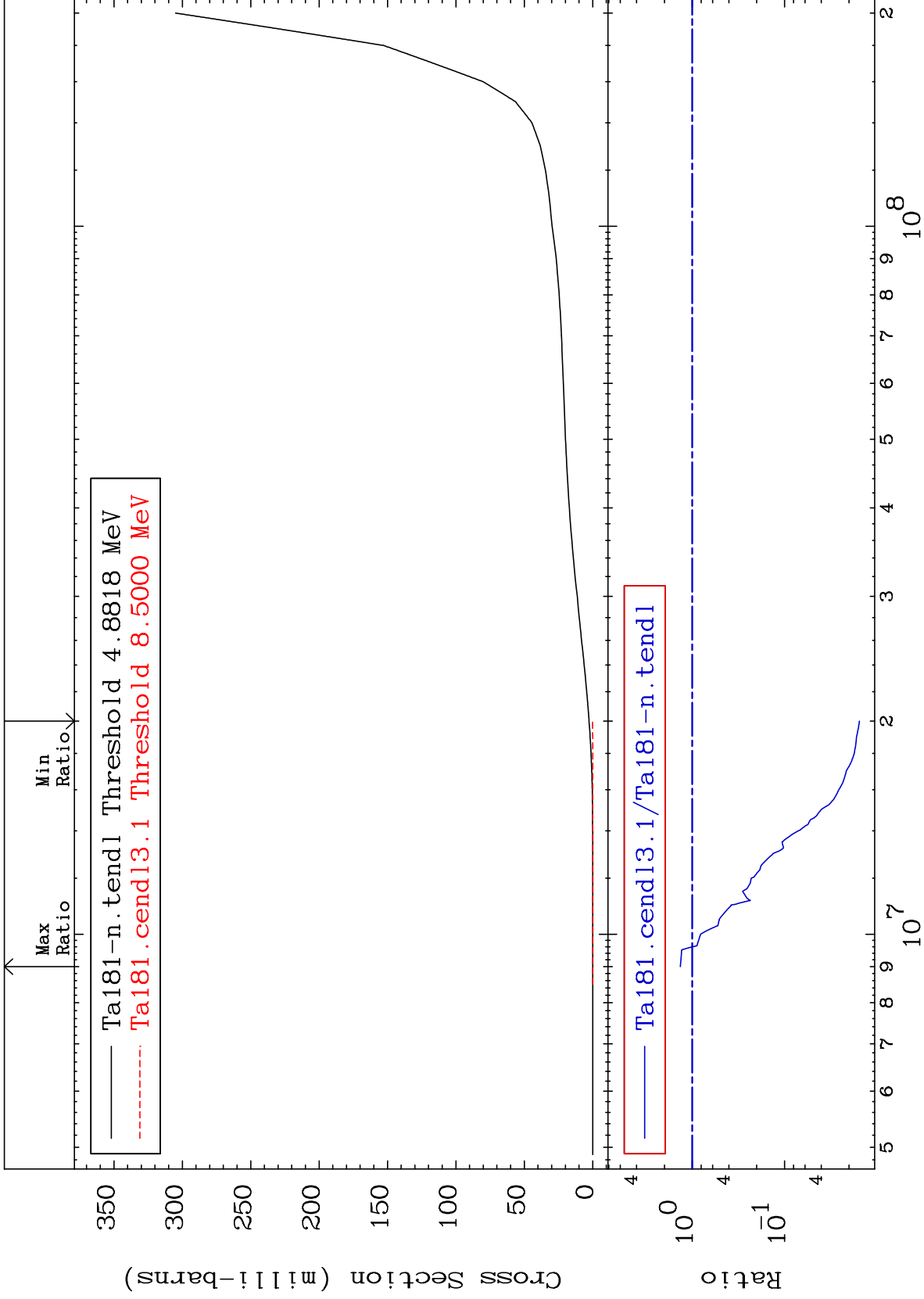
<sup>73</sup>Ta-<sup>181</sup>  
-90.08 To 840.5 %



MAT 7328

Tritium Production  
Cross Section

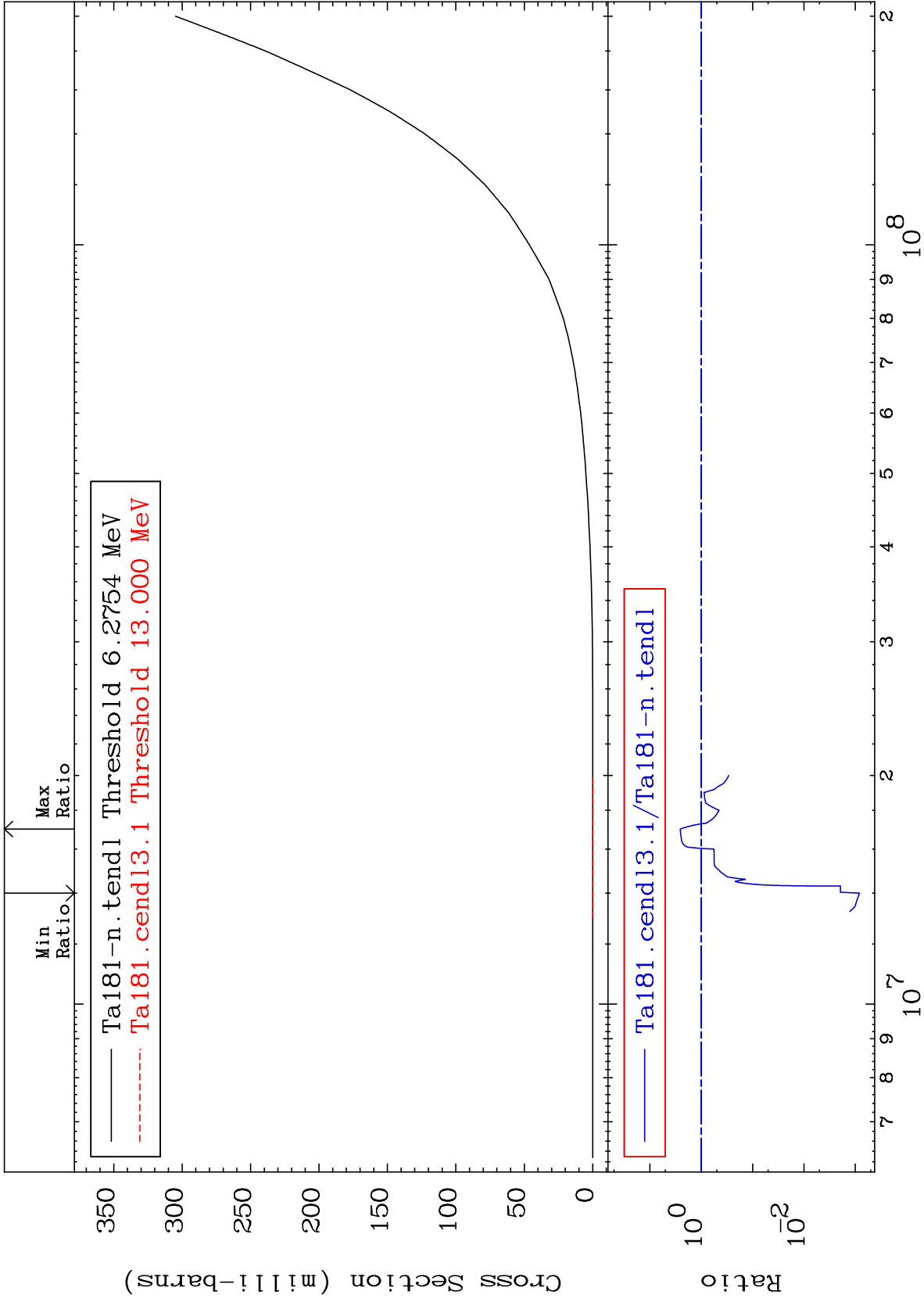
<sup>73</sup>Ta-<sup>181</sup>  
-98.46 To 34.33 %



MAT 7328

He-3 Production  
Cross Section

<sup>73</sup>Ta-<sup>181</sup>  
-99.92 To 155.4 %



32

Incident Energy (eV)

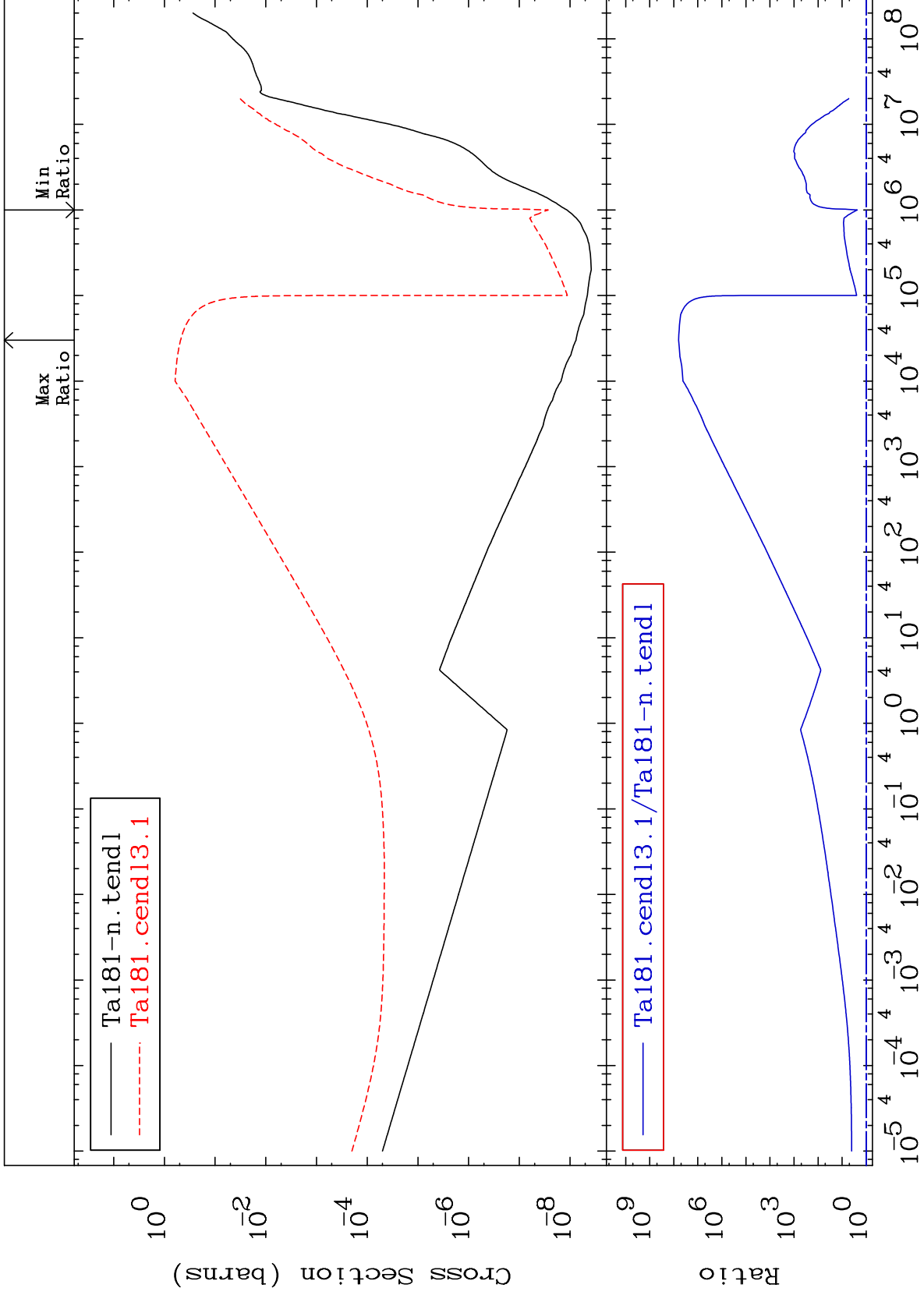
<sup>73</sup>Ta-<sup>181</sup>

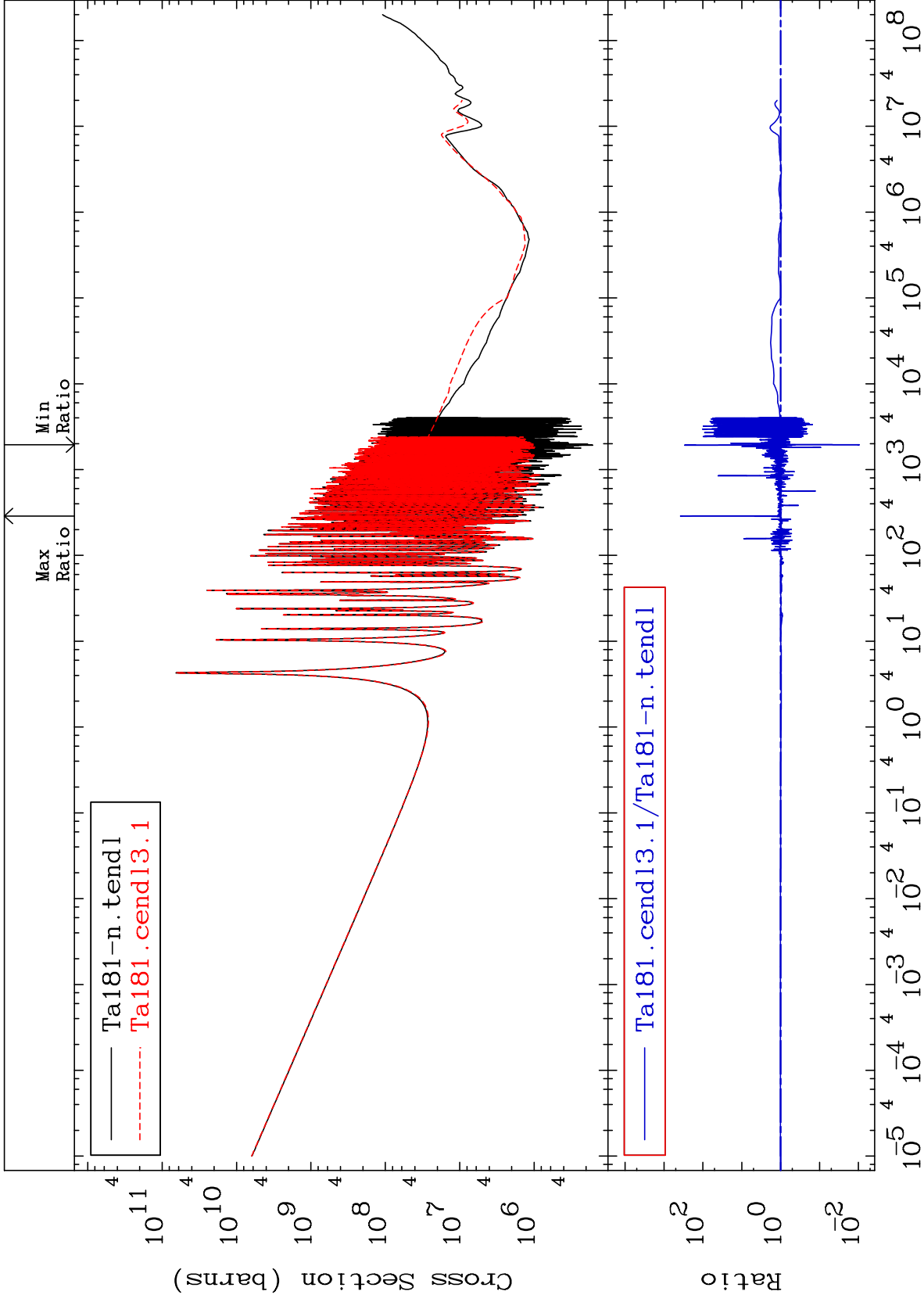


MAT 7328

He-4 Production  
Cross Section

73-Ta-181  
134.8 To 9999. %

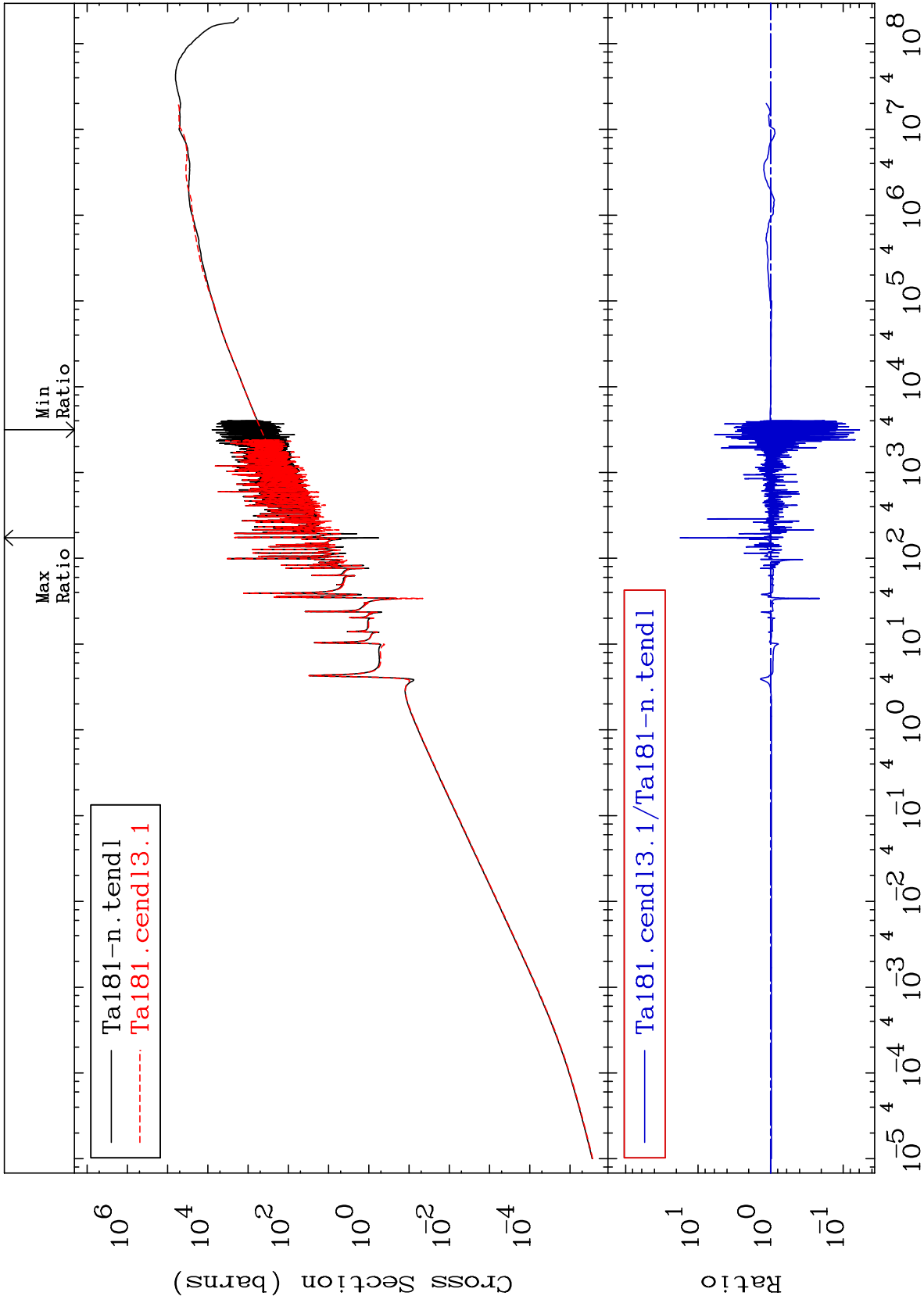


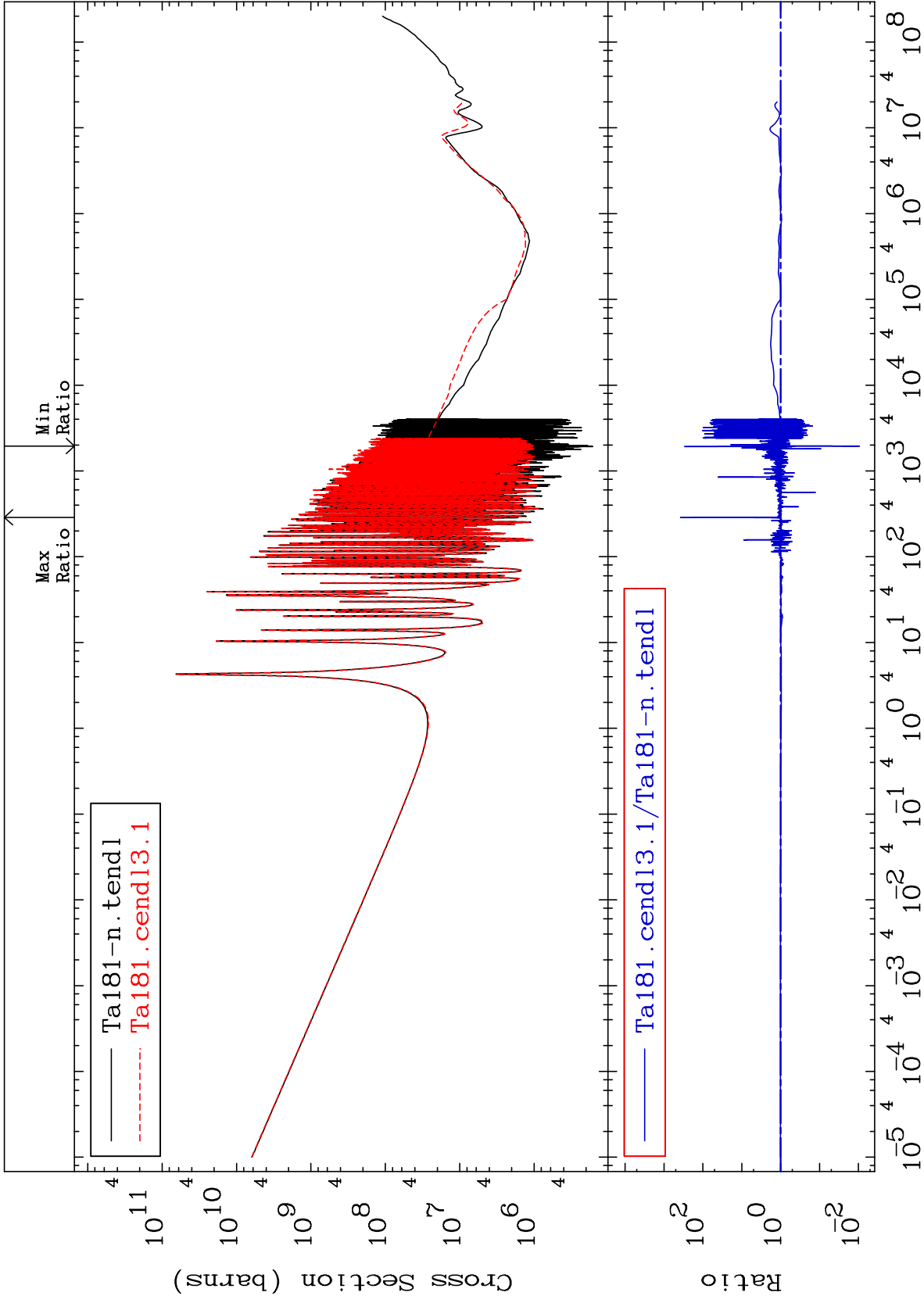


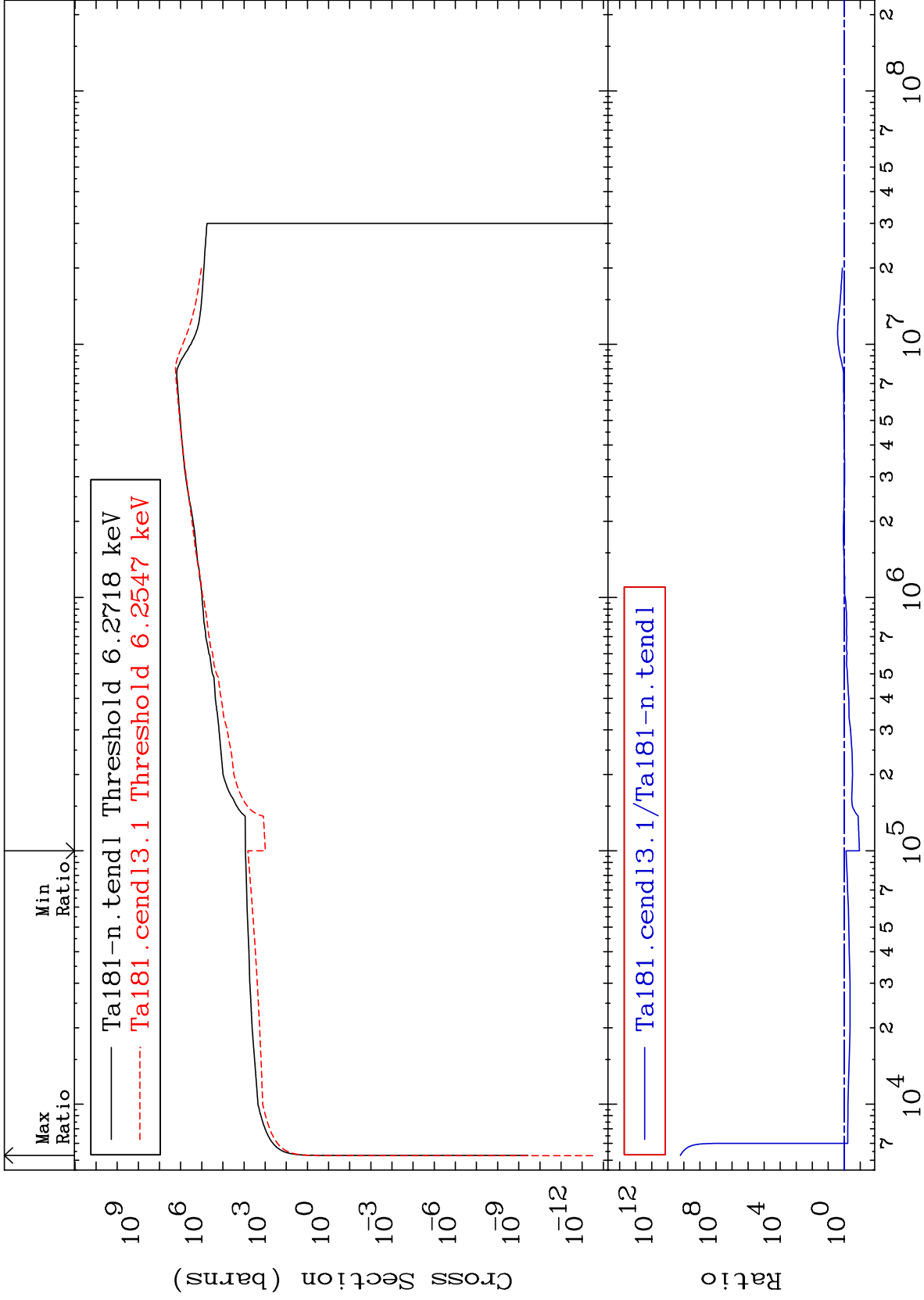
MAT 7328

Kerma elastic  
Cross Section

<sup>73</sup>Ta-<sup>181</sup>  
-94.04 To 1658. %



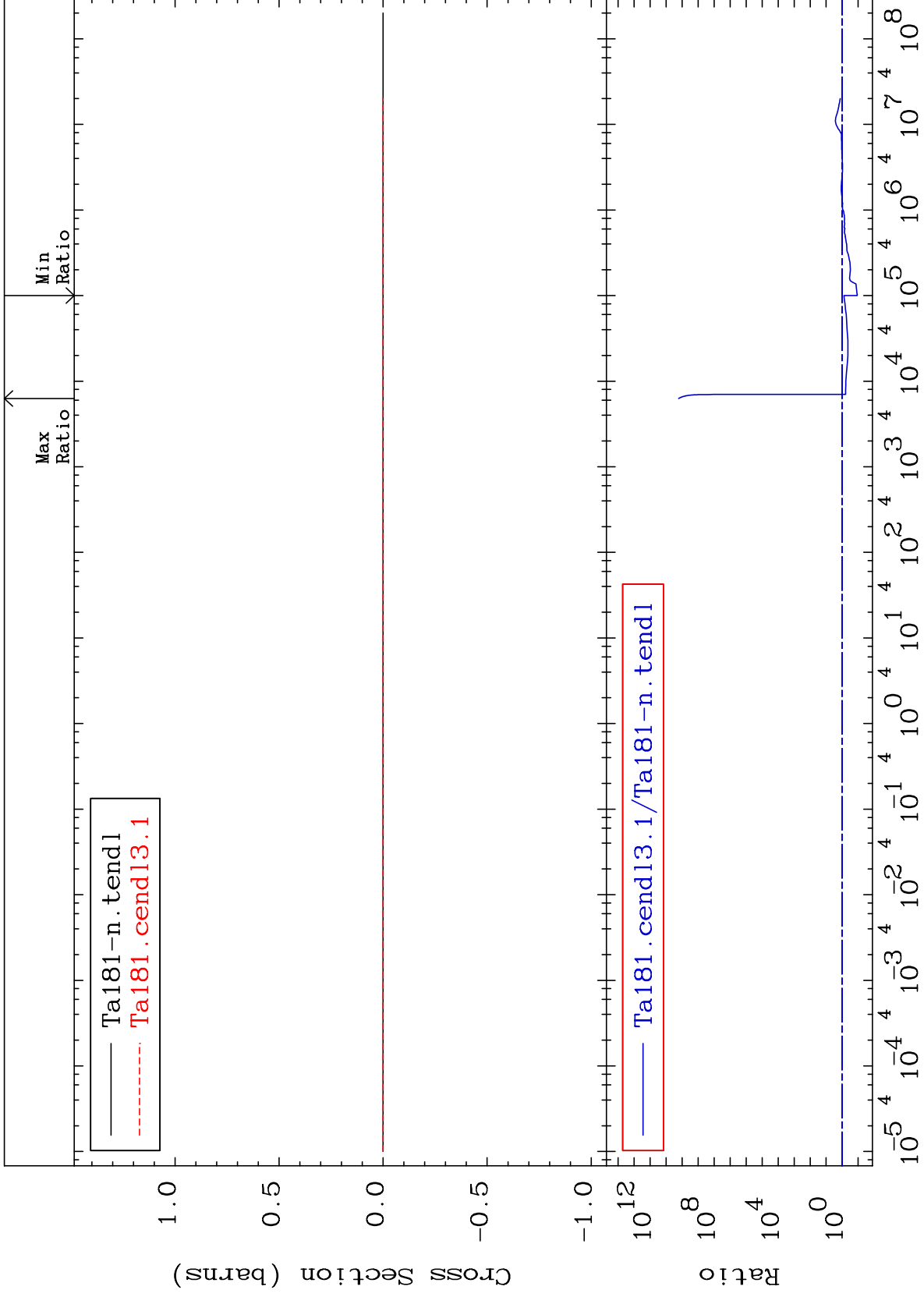


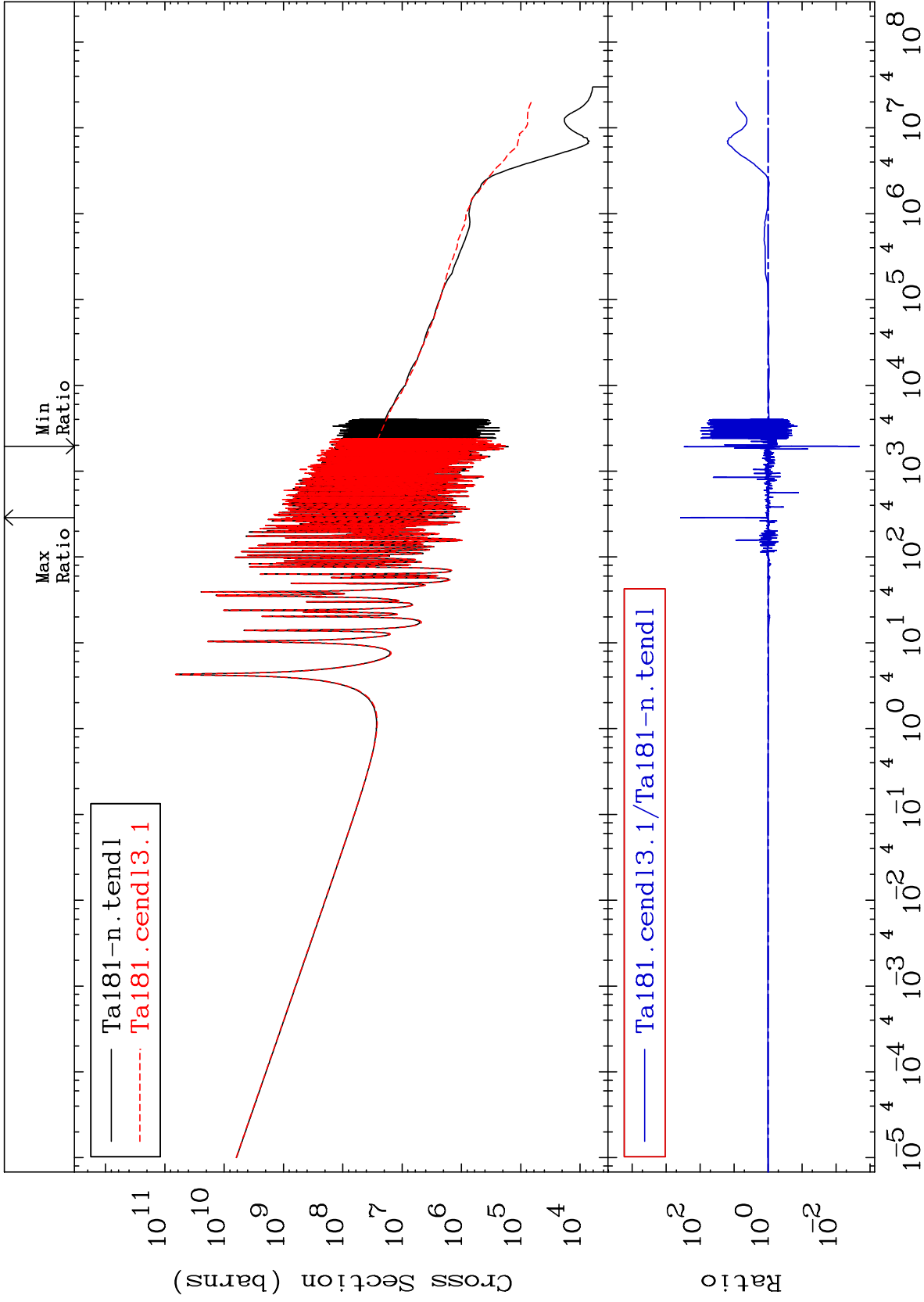


MAT 7328

Kerma fission (mt18 or mt19-20-21-38)  
Cross Section

73-Ta-181  
-88.58 To 9999. %

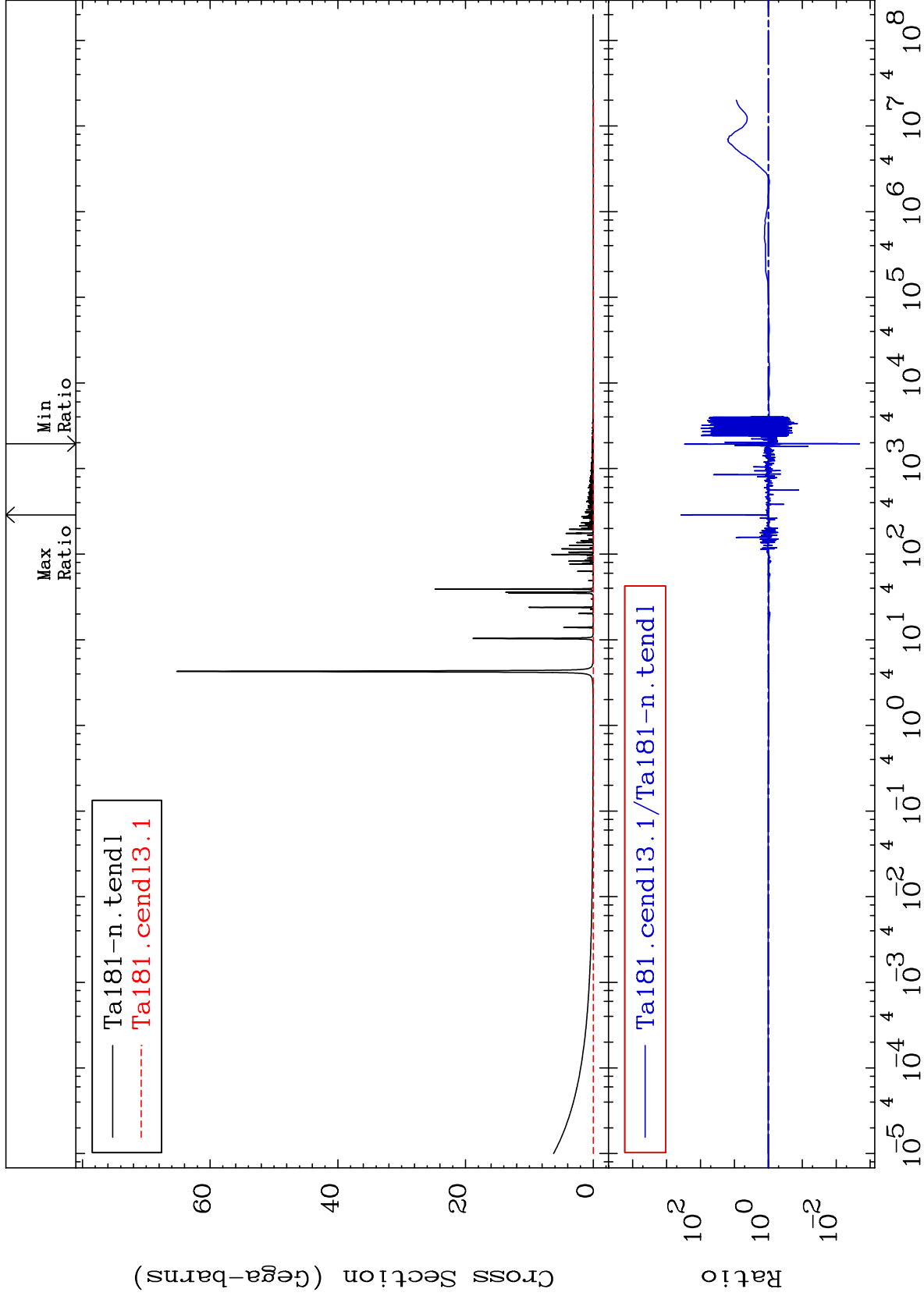




MAT 7328

Total photon (eV-barns)  
Cross Section

<sup>73</sup>Ta-<sup>181</sup>  
-99.80 To 9999. %



<sup>73</sup>Ta-<sup>181</sup>

Incident Energy (eV)

40



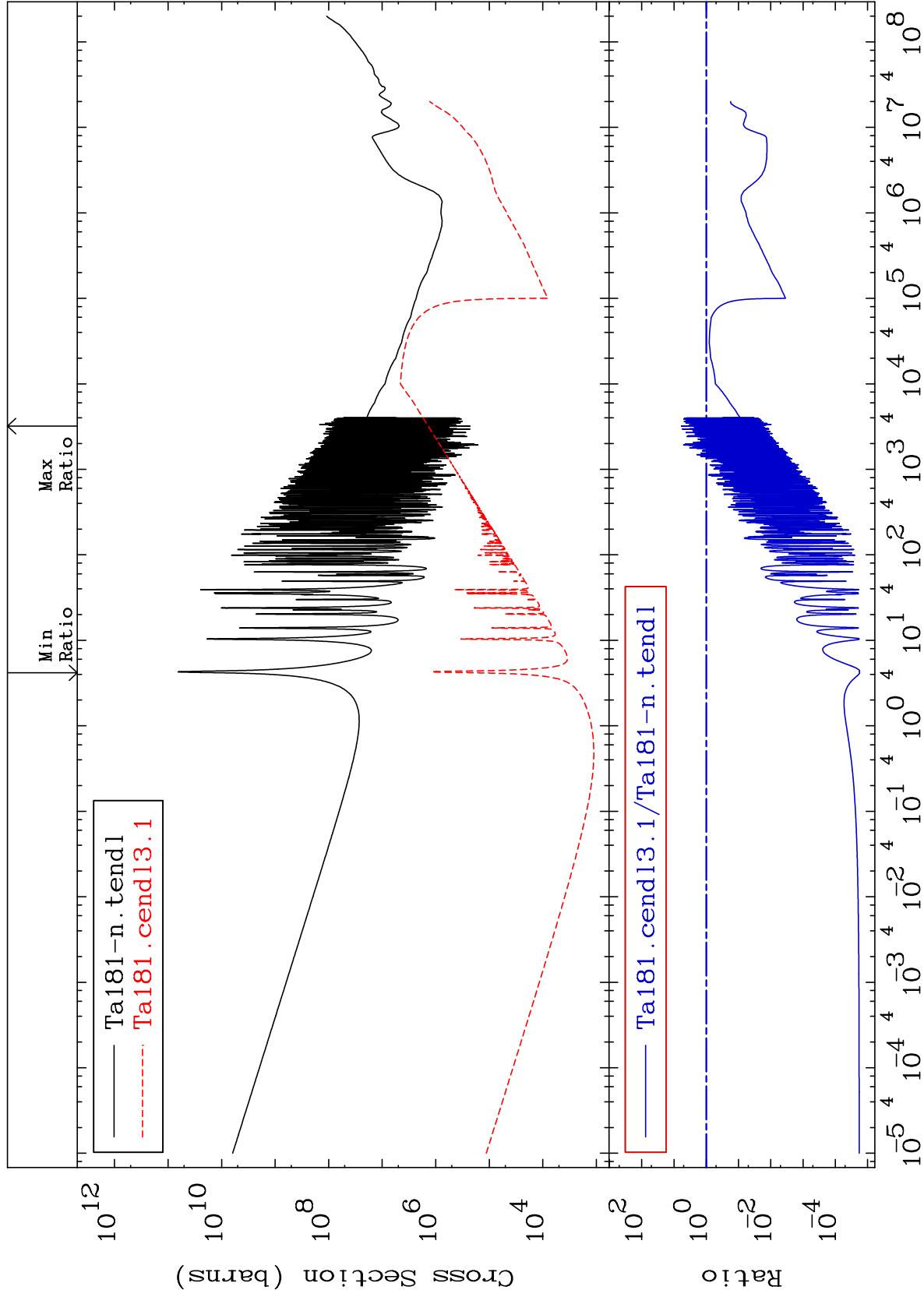
MAT 7328

Total kinematic kerma (high limit)

73-Ta-181

-100.0 To 498.8 %

Cross Section



41

Incident Energy (eV)

73-Ta-181

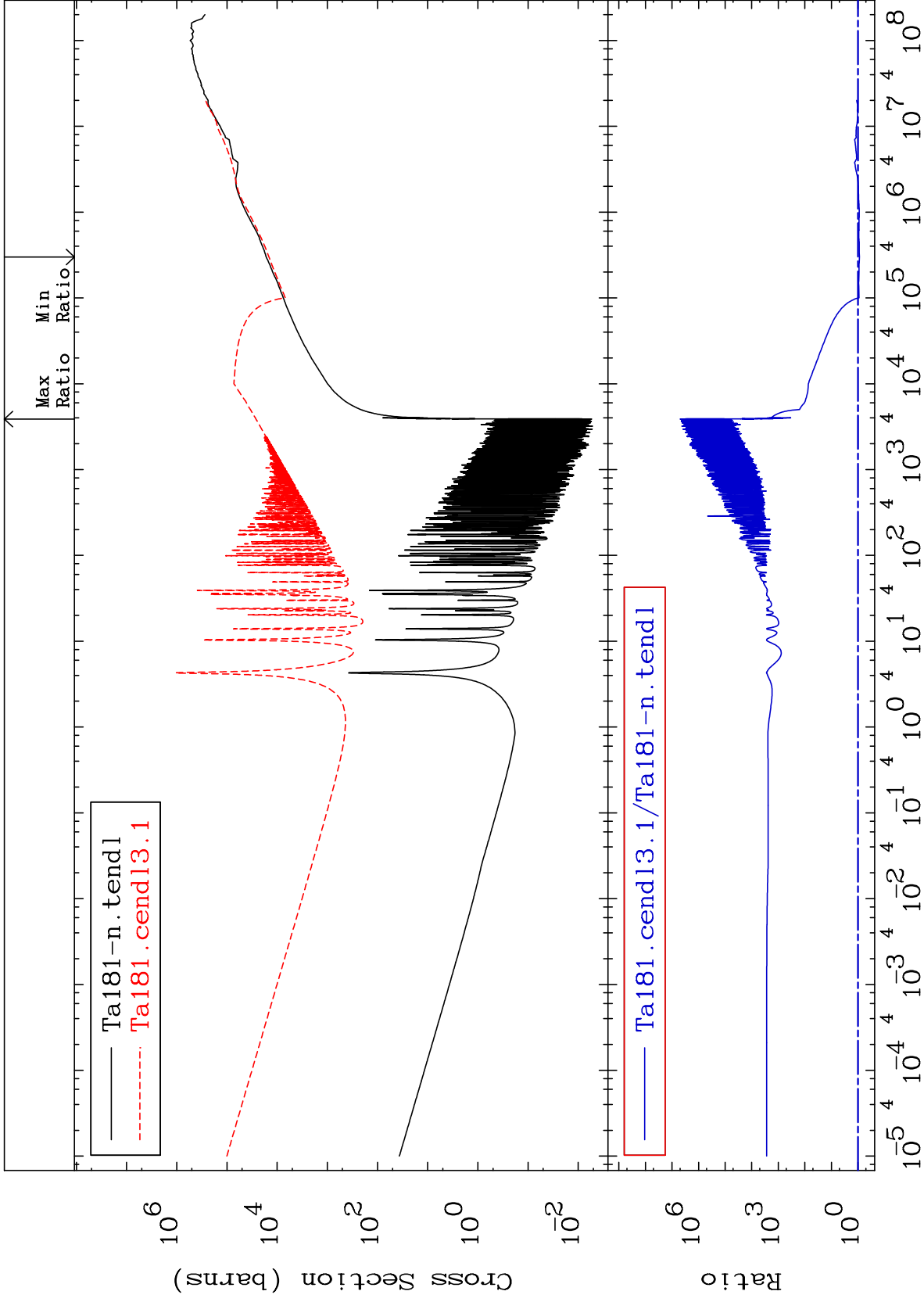
MAT 7328

Dpa total (eV-barns)

<sup>73</sup>Ta-<sup>181</sup>

Cross Section

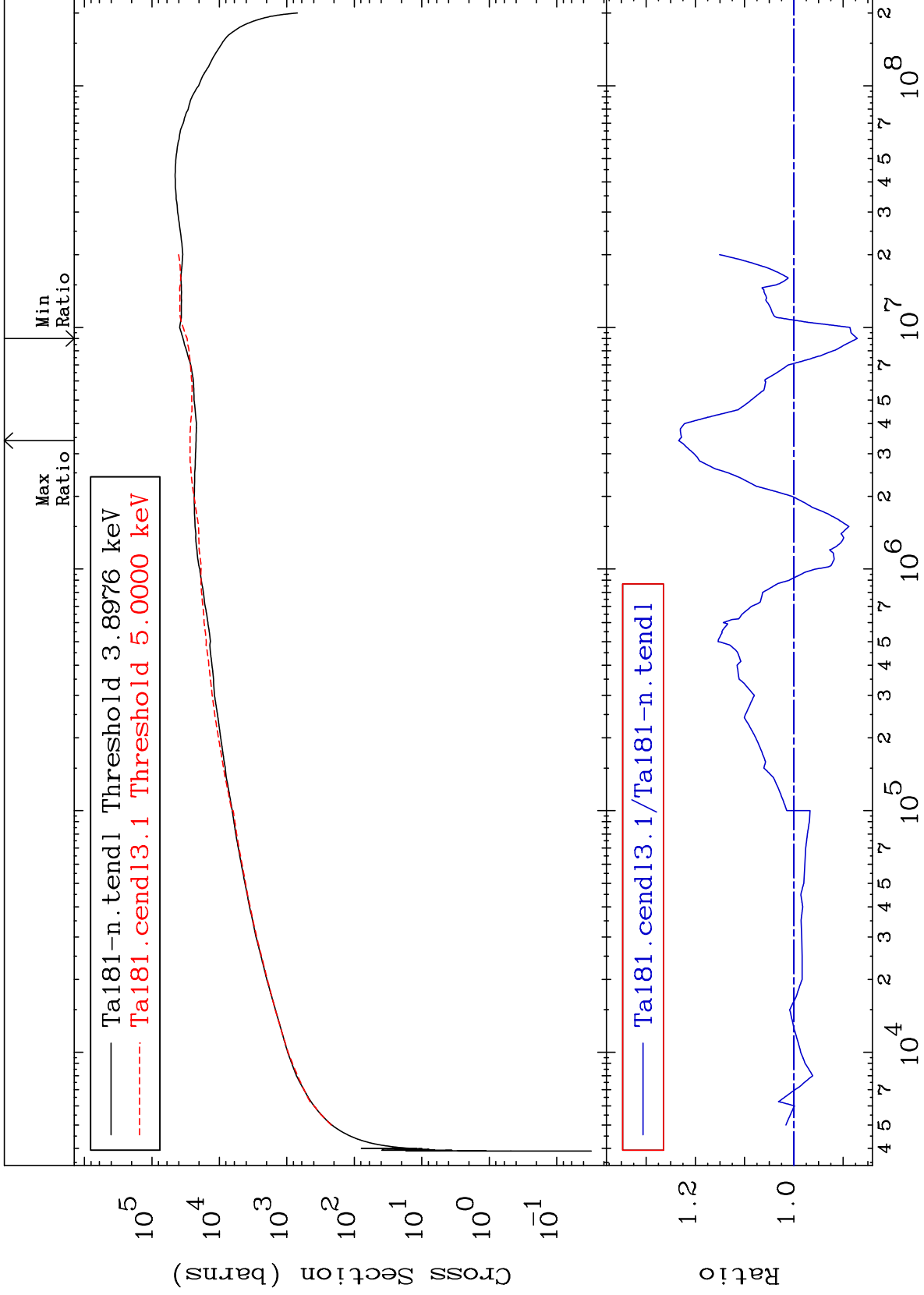
-11.96 To 9999. %



MAT 7328

Dpa elastic (mt2)  
Cross Section

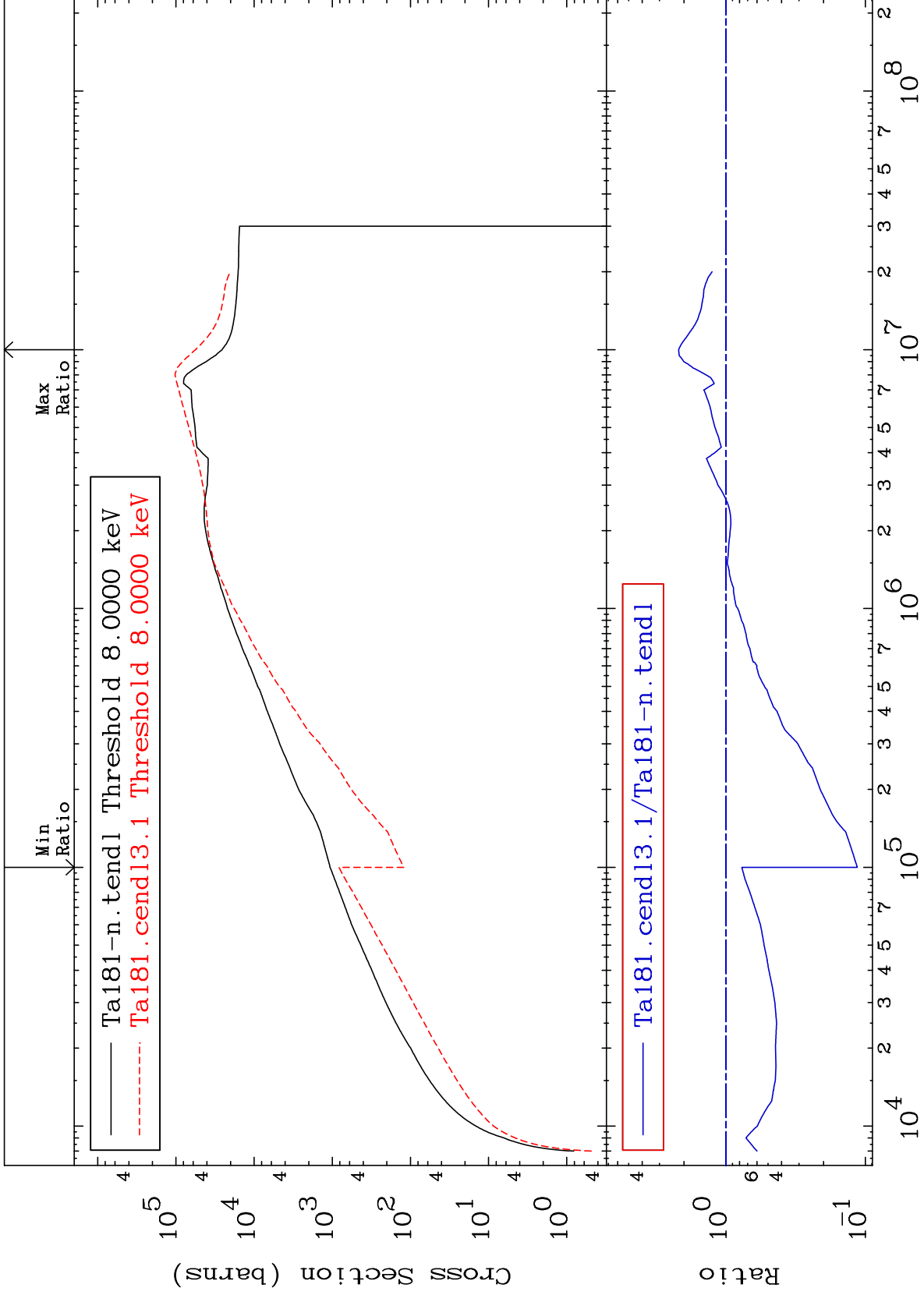
73-Ta-181  
-12.86 To 23.39 %



MAT 7328

Dpa inelastic (mt51-91)  
Cross Section

<sup>73</sup>Ta-<sup>181</sup>Ta  
-88.55 To 118.9 %



MAT 7328

Dpa disappearance (mt102 -120)  
Cross Section

73-Ta-181  
-49.31 To 9999. %

